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OCCUPATIONAL
SURVEY REPORT

AIRBORNE MISSIONS SYSTEMS
AFSC 1A5X1

OSSN: 2483

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PREFACE

This report presents the results of an Air Force Occupational Survey of the Airborne Missions Systems career ladder (AFSC 1A5X1). Authority for conducting an occupational survey is contained in AFI 36-2623. Copies of this report and pertinent computer printouts are distributed to the Air Force Career Field Manager, technical training school, all major using commands, and other interested operations and training officials.

Mr. Scott Vap, Inventory Development Specialist, developed the survey instrument. Ms. Kimberly Williams, Occupational Analyst, analyzed the data and wrote the final report. Mrs. Karen Tilghman provided computer-programming support, and Ms. Dolores Navarro provided administrative support. Major Jose Caussade, Chief, Airman Analysis Section, reviewed and approved this report for release.

Additional copies of this report may be obtained by writing to AFOMS/OMYXI, 1550 5th Street East, Randolph AFB TX 78150-4449, or by calling DSN 487-5543. For information on the Air Force occupational survey process or other on-going projects, visit our website at https://www-r.omsq.af.mil/. (Note: If you experience a Microsoft Word security problem after clicking on the above link, please copy the web address into the Address window in your web browser.)

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OCCUPATIONAL SURVEY REPORT (OSR)

AIRBORNE MISSIONS SYSTEMS (1A5X1)

EXECUTIVE SUMMARY

1. <u>Survey Coverage</u>: The Airborne Missions Systems career ladder was surveyed to obtain current task and equipment data for use in evaluating current training programs. The data will also be used to support Specialty Knowledge Test (SKT) development. Surveys were sent to 295 Active Duty (AD), 12 Air National Guard (ANG), and 25 Air Force Reserve Command (AFRC) personnel. Survey results were based on 190 members responding (175 AD, 0 ANG, and 15 AFRC).

2. <u>Job Structure Analysis</u>: A detailed analysis of the jobs being performed by DAFSC 1A5X1 members can be found in the combined OSR for AFSCs 1A3X1 and 1A5X1. A separate job structure analysis for AFSC 1A5X1 was not included in this OSR.

3. <u>Career Ladder Progression</u>: The career ladder progression for Airborne Missions Systems members is typical of most career ladders. There was a distinction between 3- and 5-skill levels and between 5- and 7-skill levels with a decrease in the amount of time being spent performing technical airborne missions systems activities as the members progress from the 3- to the 5- to the 7-skill level.   The 9-skill-level members are spending more time than the 7-skill-level members Performing Operations or Maintenance of Communications or Electronics Systems, but this is based on only three 9-skill levels in the final sample. The DAFSC 1A500 members are spending much more time Performing Management and Supervisory Activities (Duty E) than the DAFSC 1A591 members.

4. <u>Training Analysis</u>: The 1A5X1 Specialty Training Standard (STS), dated October 2000, was reviewed in light of the survey data. The 1A5X1 STS was well supported by the survey data. A complete review of the STS has been provided to the technical school for evaluation and CFETP development for the potentially merged AFSCs.

5. <u>Job Satisfaction Analysis</u>: Overall, job satisfaction among most 1A5X1 personnel has increased for first-term airmen and decreased for second-term airmen over the past 3 years. In addition, the 1A5X1 sample has significantly higher job satisfaction than the comparative sample of similar AFSCs surveyed in the previous 12 months, especially for first-enlistment members.

6. <u>Retention Dimensions</u>: DAFSC 1A5X1 members in all three TAFMS groups agreed on several factors potentially influencing their decision to reenlist or separate. Top factors for reenlistment include pay and allowances, bonus or special pay, and job security. Interestingly, the three TAFMS groups also indicated that pay and allowances are a strong influence on their decision to separate. In addition, civilian job opportunities are a significant influence in the decision to separate from the Air Force for all three TAFMS groups.

7. Special Analyses – Aircraft Platform/Primary Mission/Level of Qualification/CONUS versus Overseas: Commonalities and differences between members are revealed based on aircraft platform to which assigned, primary mission supported, level of qualification held, and CONUS versus overseas assignment.

INTRODUCTION

Air Force Occupational Measurement Squadron (AFOMS)

Occupational Analysis Program

Simply put, our mission is to provide occupational data for decisionmakers, allowing them to make informed personnel, training, and education decisions based not on opinion and conjecture, but on empirical, quantitative data.

Survey Development Process

An occupational survey begins with a job inventory (JI) -- a list of all the tasks performed by members of a given Air Force Specialty Code (AFSC) as part of their actual career field work (that is, additional duties and the like are not included). We strive to ensure that every function career field members perform is included by working very closely with technical training personnel, the Air Staff, and operational subject-matter experts (SMEs) to produce a task list that is complete and understandable to the typical job incumbent filling out the survey. The SMEs also ensure the task list is written to the same level of specificity across duty areas and that each task is mutually exclusive, that it is not covered in the task list more than once.

In addition to this comprehensive task list, job inventories include a number of background questions that deal with demographic information, job satisfaction, equipment usage, and any other area that our customers may desire to focus on.

Furthermore, the JI is only one of the surveys that AFOMS produces. The JI task list is used in creating several other surveys that are important for developing and refining career field training programs and for developing career field promotion tests; these surveys and how their results are used will be described shortly.

Survey Administration

The sample of members who receive the JI primarily depends on the size of the career ladder. We typically survey 100% of all eligible members in career ladders numbering 3,000 members or less. For career ladders larger than 3,000 assigned members, we select a random sample of half of the eligible members. Return rates (the percentage of surveys we receive back from the field) generally run 70% or greater. All this combines to produce very large and very representative samples in almost every study we conduct, compared to the samples obtained by private commercial surveying and marketing firms, and this in turn leads to highly accurate information about the work and demographics of the career field.

When the number of tasks is large, responding to the JI can be somewhat time-consuming for the Air Force member, but it is a simple process. Respondents are asked to examine each task and indicate whether they do or do not perform that task in their current job. They are then asked to rate each task they marked on a scale of 1 to 9 based on how much relative time they spend performing that task in their present job.

Survey Analysis

Survey responses are processed using a set of computer programs called the Comprehensive Occupational Data Analysis Programs (CODAP). We are able to calculate some important basic information about each task from the information that respondents provide in the JI: the Percent Members Performing (PMP) and the Percent Time Spent (PTS). CODAP groups survey respondents according to their similarity of task performance, and our analysts study these groupings to identify distinct jobs. Further, we can provide PMP and PTS information for any subgroup. For example, we can easily determine the percent of E-5s or 3-skill-level or first-term airmen who perform each task, and estimate the average amount of job time they spend performing it. This is important because many of the applications of our data target particular subgroups within the career ladder.

Uses of Survey Data

Survey results are formally reported in an **Occupational Survey Report (OSR)** -- what you are currently reading -- but the OSR is by no means the only product of an occupational survey study. The OSR provides a high-level "snapshot" of an entire AFSC in a compact package, but it is not intended to provide the comprehensive information needed to support important decisions about a career field. That is the purpose of "data extracts", which are comprehensive, detailed sets of CODAP-generated reports designed for particular applications.

The Training Extract -- AFOMS survey data are essential to technical training professionals. The Training Extract provides information about what career ladder incumbents are actually doing in their jobs at each stage of their career, along with supporting information regarding when and how members should be trained to perform their jobs. The data found in the Training Extract regarding first-job, first-term, and 3-skill-level members are the *primary source of empirical information* available to support such decisions.

In addition to the JI, AFOMS produces two other surveys that directly support the training community. Depending on the size of the career ladder, a sample of at least 50 and frequently 100 or more 7-skill-level craftsmen is selected to complete a Training Emphasis (TE) survey. A similar-sized sample of other 7-skill-level craftsmen is selected to complete a Task Difficulty (TD) survey.

The TE survey, like the JI, contains the complete career ladder task list, and, like the JI, respondents are asked to rate tasks on a 0 to 9 scale. Unlike the JI, however, respondents are asked to rate tasks based on how much emphasis they believe should be placed on that task for entry-level structured training. A "0" indicates the respondent's belief that no structured training is required for that task, while a "1" indicates the respondent's belief that very little emphasis be placed on providing structured training on that task. A rating of "9" indicates that it is essential to provide structured training on the task. Structured training is defined as resident technical schools, field training detachments, mobile training teams, formal on-the-job training (OJT), or any other organized training method. The responses of the entire sample of raters are averaged for each task resulting in a TE rating for each task.

The TD survey also contains the full task list and requests that respondents rate each task on a scale of 1 to 9 ("1" is low, "9" is high), but this time respondents are asked to rate the amount of time needed to learn to perform that task satisfactorily. In other words, as the name implies, TD is an indicator of how difficult the task is to learn to do. The sample's *average* TD for each task in the inventory is standardized with a mean rating of 5.0 and a standard deviation of 1.0.

When used in conjunction with the PMP and PTS for first-enlistment members, average TE and TD ratings provide insight into the appropriate training requirements for new personnel in the career ladder. These four indices (PMP, PTS, TE, and TD) are used to compute a composite index, the Automated Training Indicator (ATI), for each task. The ATI expresses in a single number between 1 and 18 ("1" is low, "18" is high) the importance of including training for that task in the initial resident technical course. ATIs allow training developers to quickly focus attention on those tasks that are most likely to qualify for resident course consideration. Further information concerning TE and TD ratings and ATIs for the entire task list can be found in the Training Extract that accompanies this OSR.

The major users of Training Extract information are attendees at Utilization and Training Workshops (U&TWs). The U&TW is a summit of representative career ladder, training, and classification leaders whose purpose is to evaluate current training efficiency and effectiveness in order to propose and approve changes to the Specialty Training Standard (STS) or Course Training Standard (CTS), particularly with regard to 3-skill-level training, and to address utilization issues. The AFSC's job description in Attachment 6 of AFMAN 36-2108, *Enlisted Classification*, is reviewed in light of the survey data and appropriately revised to reflect the jobs being performed by the career ladder members.

Part of the process of compiling the Training Extract involves the *STS matching* process, during which technical school personnel match JI tasks to STS elements; that is, they tell us what particular task or tasks correspond to each STS element when it is covered in training. This is especially useful when STS performance codes are being reviewed for the 3-skill-level course. For example, the U&TW attendees might be asked to consider adding a task performance code to an STS element that has only been trained to a knowledge level previously. Occupational survey data are an important input in determining the appropriate proficiency code. Separate Training Extracts are produced for Active Duty (AD), Air National Guard (ANG), and Air Force Reserve Component (AFRC) members.

The Specialty Knowledge Test (SKT) Extract -- AFOMS survey data are key to ensuring that SKTs are valid. SKTs are an important part of the Weighted Airman Promotion System (WAPS). Because an airman's test score is frequently the deciding factor in determining who is promoted, SKTs must be valid, fair, and credible.

In terms of SKTs, *valid* means that every question on the test is tied to a task which has been shown to be important to successful performance in the specialty. This tie is crucial to documenting the validity of SKT content.

AFOMS surveys provide test writers with information on what percentage of airmen are performing tasks (PMP), an estimate of how much job time they spend performing tasks (PTS), how difficult tasks are to master (TD), and the importance of formal training on tasks (TE). This information is combined to produce a composite index called the Predicted Testing Importance (PTI). Those tasks that are rated highest in PTI are ones that tend to be high in all four of our primary indices -- PMP, PTS, TD, and TE -- exactly the kinds of tasks that one would consider job-essential and critical for incumbents to know and thus be tested on. PTI information is used for minor test revisions; how it is used will be explained shortly.

Field-validated testing importance (FVTI) data are produced for major test revisions. Approximately 6 months before the start of test development, a sample of 100 senior career field NCOs are sent a survey containing a list of tasks rated highest in PTI. Respondents are asked to provide a 1-7 rating ("1" is low, "7" is high) of how important they believe it is to include a question concerning that task on the SKT. The responses are averaged for each task, yielding the FVTI index -- a direct measure of the opinions of career field experts as to what constitutes "job-essential" knowledge.

PTI and FVTI information is included in the SKT Extract, which is specifically tailored for use by the SKT teams who come to AFOMS to write the promotion examinations. Two sets of reports are prepared -- one set uses only data for E-5s and the other uses combined data for E-6s and E-7s. Each report gives the SKT team information on every task's PMP, PTS, and PTI, and, for major test revisions, FVTI data. Occupational survey data are thus the only objective source of information available to the team regarding how to make the test they write meet legal requirements for validity and fairness.

The Analysis Extract -- The Analysis Extract is an archive of all the data collected in the course of a study that are not incorporated in one of the other extracts. We typically produce separate Analysis Extracts for AD and ANG/AFRC members. The Analysis Extract is usually an enormous document, a compilation of the many reports that "slice and dice" the data in virtually every potentially useful way. Just about any question anyone has regarding career ladder work, personnel, or training and utilization issues can be answered by consulting one or another of the reports in the Analysis Extract.

The Occupational Survey Report (OSR) -- This document, the OSR, captures survey data and analysis both in breadth and depth. For ease of reading, the first half of the OSR concentrates on breadth with compelling factors and implications across the specialty. The ensuing appendices show depth with regard to these factors and implications, primarily in tabular format. Where appropriate, highlights of the tables are contained in the body. The reader will find tables in their entirety in the appendices.

OCCUPATIONAL SURVEY REPORT (OSR)

AIRBORNE MISSIONS SYSTEMS

(AFSC 1A5X1)

This is a report of an occupational survey of the Airborne Missions Systems career ladder, conducted by the Occupational Analysis Flight, AFOMS. The OSR reports the findings of current data that are available for use in guiding the development and evaluation of training and support planned changes within this career ladder. In addition, the data are used to support SKT development.

An OSR for a combined DAFSC 1A3X1 (Airborne Communications and Electronics Systems) and DAFSC 1A5X1 survey was also completed (dated August 2002) based on the 2001 survey administration to provide data for training decisions and to support the potential merger of these two career ladders. A separate OSR (dated August 2002) was completed for the 1A3X1 career ladder.

Career Ladder Background

According to the Specialty Description in AFMAN 36-2108, *Enlisted Classification*, dated 30 April 2002, personnel in the 1A5X1 career ladder operate, monitor, inspect, test, maintain, optimize, and evaluate surveillance radar, computer, display, identification friend or foe (IFF), and ancillary systems equipment. They also supervise and manage airborne missions systems operation.

The initial technical training school for this AFSC is located at Keesler AFB MS. The E3ABR1A531 002, Airborne Missions Systems Apprentice, course is 9 weeks long and provides graduates with the knowledge and skills for the following principles and activities:

- Airborne maintenance procedures for airborne warning and control systems (AWACS), Joint Surveillance Target and Attack Radar System (JSTARS), Data Processing/Display Maintenance Systems (DP/DMS), radar systems, and aircrew procedures;

- Theory in basic networking, computer operation, radar fundamentals, and system fault isolation procedures

Entry into AFSC 1A5X1 requires an Armed Forces Vocational Aptitude Battery (ASVAB) "Electrical" score of 67 and a Strength requirement of "G" (weight lift of 40 lb). A member must also have normal color vision as defined in AFI 48-123, *Medical Examination and Standards*. For entry, award, and retention of these AFSCs, members must meet the following qualifications:

- Physical qualification for aircrew duty according to AFI 48-123 Class III medical standards;

- Qualification for aviation service according to AFI 11-402, *Aviation and Parachutist Service, Aeronautical Ratings and Badges*

For award and retention of these AFSCs, members must be eligible for a Secret security clearance according to AFI 31-501, *Personnel Security Program Management.*

SURVEY METHODOLOGY

Inventory Development

The data collection instrument for this occupational survey was USAF Job Inventory (JI) Occupational Survey Study Number (OSSN) 2483 (AFSC 1A5X1), dated October 2001. During the development of the comprehensive task list covering tasks performed by members in the 1A5X1 career ladder, 29 subject-matter experts (SMEs) were interviewed from four operational bases and one training unit. In addition to the standard background questions, the survey requested the following information: base of assignment; command of assignment; job satisfaction and reenlistment intentions; number of deployments and days TDY; job title; work or functional area; aircraft platform to which assigned; primary mission performed; emergency equipment contained on aircraft supported; and communications or electronics equipment or systems used, operated, or maintained. The inventory listed 530 tasks grouped under eight duty headings and a background section. (The complete task list is available on the CD-ROM containing the products from this study.)

BASE	REASON FOR VISIT
Keesler AFB MS	Technical Training School
Randolph AFB TX	1A5X1 SKT team
Langley AFB VA	ACC Functional Manager
Tinker AFB OK	E-3
Robins AFB GA	E-8

1A5X1 Survey Administration

From October 2001 to February 2002, the survey control monitor at the technical training school and operational bases administered the inventory to all eligible DAFSC 1A531, 1A551, 1A571, 1A591, and 1A500 AD, ANG, and AFRC personnel. Members ineligible to take the survey included the following: (1) hospitalized members; (2) members in transition for a permanent change of station; (3) members retiring within the time the inventories were administered to the field; and (4) members who had been in their present jobs for less than 6 weeks. Participants were selected from a computer-generated mailing list obtained from data tapes maintained by the Air Force Personnel Center, Randolph AFB TX.

Survey Sample

The data on survey returns were examined to ensure that the final sample reflected an accurate representation across major commands (MAJCOMs), paygrades, and skill levels. Table 1 shows the distribution of the survey sample by MAJCOM, while Table 2 reflects the survey distribution by paygrade groups. Table 3 reveals the final sample distribution by skill level.

TABLE 1

MAJCOM REPRESENTATION OF TOTAL SAMPLE		
COMMAND	PERCENT OF ASSIGNED*	PERCENT OF SAMPLE
ACC	68	67
PACAF	10	12
EUR	8	11
AETC	2	1
OTHER**	2	1
ANG***	3	0
AFRC	7	8
TOTAL ASSIGNED*		365
TOTAL ELIGIBLE		332
TOTAL SURVEYS MAILED		332
TOTAL IN SAMPLE (ALL COMPONENTS)		190
AD		*175*
ANG		*0*
AFRC		*15*
PERCENT OF ASSIGNED IN SAMPLE		52%
PERCENT OF ELIGIBLE IN SAMPLE		57%
PERCENT OF MAILED IN SAMPLE		57%

  *   As of Oct 01
  **   "Other" includes AMC, AFOTEC, & AF Elements Other
 ***   ANG members did not return any surveys

TABLE 2

PAYGRADE DISTRIBUTION OF SAMPLE		
PAYGRADE	PERCENT OF ASSIGNED**	PERCENT OF SAMPLE
E-2	*	*
E-3	12	6
E-4	21	20
E-5	34	40
E-6	18	20
E-7	9	11
E-8/E-9	5	2
* Indicates less than 1%		
** As of Oct 01		

TABLE 3

SKILL-LEVEL DISTRIBUTION OF SAMPLE		
SKILL LEVEL	PERCENT OF ASSIGNED*	PERCENT OF SAMPLE
1A531	20	16
1A551	45	49
1A571	28	31
1A591	5	2
1A500	2	2
* As of Oct 01		

While the Paygrade distribution of the survey sample shows that representation is low for the E-3 paygrade and high for the E-5 paygrade, the Command and Skill-Level distributions of the survey sample are close to the percent assigned, indicating that the sample is a good representation of the assigned career ladder population.

JOB STRUCTURE ANALYSIS

A comprehensive job structure analysis can be found in the combined OSR for AFSC 1A3X1 and AFSC 1A5X1. The computer-generated diagram displaying jobs being performed by DAFSC 1A5X1 members mirrored the diagram displaying the jobs being performed by the DAFSC 1A5X1 members in the combined sample of DAFSC 1A3X1 and DAFSC 1A5X1 members. Therefore, a separate job structure analysis was not included in this OSR.

SKILL AND EXPERIENCE ANALYSIS

An analysis of DAFSC groups in conjunction with the analysis of the career ladder structure is an important part of each OSR. This information may be used to evaluate how well career ladder documents, such as AFMAN 36-2108, *Enlisted Classification*, reflect what career ladder personnel are actually doing in the field.

TOTAL SAMPLE

Duties

Table 4 – Time spent on duties by members of 1A5X1 skill-level groups

- Members holding 3- through 9-skill levels spending most of their time performing tasks in Duty B (Performing Operations or Maintenance of Communications or Electronics Systems)

- Chief Enlisted Manager (CEM) members spending majority of their time performing Management and Supervisory Activities (Duty E)

Tasks

Table 5 – Representative tasks being performed by DAFSC 1A531 members

Table 6 – Representative tasks being performed by DAFSC 1A551 members

Table 7 – Representative tasks being performed by DAFSC 1A571 members

Table 8 – Representative tasks being performed by DAFSC 1A591 members

Table 9 – Representative tasks being performed by DAFSC 1A500 members

ACTIVE DUTY

Duties

Table 10 – Time spent on duties by members of AD 1A5X1 skill-level groups

- Similar to members in total sample, AD members at 3- through 9-skill levels spending majority of their time Performing Operations or Maintenance of Communications or Electronics Systems (Duty B) although the AD DAFSC 1A571 and 1A591 members are spending more time Performing Management and Supervisory Activities (Duty E) than members at those skill levels for the total sample

AFRC

Duties

- Significant decrease in time being spent by 5-skill-level members Performing Mission Planning, Premission, or Preflight Activities (Duty A) versus 7-skill-level members

- DAFSC 1A551 and DAFSC 1A571 members spending same amount of time (40% each) Performing Operations or Maintenance of Communications or Electronics Systems (Duty B), while DAFSC 1A591 members are spending 50% of their time performing same tasks

- AFRC members more involved in technical activities as they progress from one skill level to next highest skill level compared to same skill-level progression for AD members

NOTE: Only three DAFSC 1A551 members and only two DAFSC 1A591 members were included in the final sample, making analysis more difficult as the numbers may be skewed; generalities across all AFRC DAFSC 1A5X1 members should not be made based on the low numbers of AFRC members in this study.

Tasks

TRAINING ANALYSIS

Occupational survey data are a source of information that can assist in the development or evaluation of training programs for both entry-level and advanced members. In particular, the factors used to evaluate entry-level member training include the jobs that are being performed by first-enlistment personnel (1-48 months' TAFMS), the percent of first-enlistment members who perform specific tasks, and ratings of relative training emphasis (TE) and task difficulty (TD). (TE and TD ratings are discussed in the Task Factor Administration section of this OSR.)

WHAT ENTRY-LEVEL MEMBERS NEED TO KNOW

First-Enlistment Personnel (1–48 months' TAFMS)

N=36 (19% of sample)

Duties

Table 20 – Relative time spent on duties

Tasks

Table 21 – Representative tasks performed

Equipment and Systems

Table 22 – Emergency equipment contained on aircraft supported by first-enlistment personnel

Table 23 – Communications or electronics equipment and systems used, operated, or maintained by first-enlistment personnel

TASK FACTOR SURVEYS

Job descriptions alone do not provide sufficient data for making decisions about career ladder documents or training programs. Task factor information, along with data from the Specialty Training Standard (STS), is needed for a complete analysis of the career ladder. To obtain the needed task factor data, selected DAFSC 1A5X1 members (generally E-6 or E-7 craftsmen) completed either a training emphasis (TE) or task difficulty (TD) survey. To obtain the needed STS data, STS 1A5X1 was reviewed by comparing survey data to STS elements.

Task Factor Administration

TE and TD data can help training development personnel decide which tasks to emphasize for entry-level, structured training (resident technical schools, field training detachments, mobile training teams, formal OJT, or any other organized training method). For example, tasks receiving high TE and TD ratings generally warrant resident training if they are also performed by a moderate-to-high percentage of first-job or first-enlistment members. Tasks receiving high TE and/or TD ratings but being performed by relatively low percentages of first-job or first-enlistment members may be more appropriately planned for structured OJT programs within the career ladder. Low TE and/or TD ratings may highlight tasks best omitted from training for new personnel. These task factors are, of course, not the only ones to weigh in making training decisions; the percentages of personnel performing the tasks, command concerns, the criticality of the tasks, and other important factors must also be carefully considered.

Training Emphasis (TE) — degree of emphasis that should be placed on each task for structured training of entry-level members:

- Fourteen DAFSC 1A5X1 senior noncommissioned officers (NCOs) rated tasks in the inventory on a scale from 0 (no training required) to 9 (extremely high training emphasis)

  - Although only 14 respondents with acceptable interrater reliability could be included in the final sample for TE ratings, the data were still reported to allow the automated training indicator (ATI) ratings to be calculated and included in the Training Extract

- Average TE rating was 1.83 with a standard deviation of 1.83

  - If a task has a TE rating at least one standard deviation above the mean, that is, of at least 3.66, it is probably important to provide new personnel with formal training on that task

Table 24 – Tasks with highest TE ratings:

  - Most tasks with high TE ratings are from Duty A (Performing Mission Planning, Premission, or Preflight Activities) followed by Duty B (Performing Operations or Maintenance of Communications or Electronics Systems) and involve tasks being performed by a high percentage of first-job and first-enlistment members

Task Difficulty (TD) — amount of time needed to learn to perform that task satisfactorily

- Ten DAFSC 1A5X1 senior NCOs rated difficulty of tasks in inventory using a scale from 1 (extremely low difficulty) to 9 (extremely high difficulty)

  - Although only 10 respondents with acceptable interrater reliability could be included in the final sample for TE ratings, the data were still reported to allow the ATI ratings to be calculated and included in the Training Extract

- TD ratings are normally adjusted so that tasks of average difficulty have a value of 5.00 and a standard deviation of 1.00

  - Any task with a difficulty of 6.00 or greater is therefore considered difficult to learn

Table 25 – Tasks with highest TD ratings

- Also lists percent members performing these tasks by groups of 1-24 months' and 1-48 months' TAFMS, as well as members of the 3-, 5-, 7-, and 9-skill-level groups and CEM group

- Tasks dealing with making repairs on and troubleshooting certain systems or equipment within Duty B (Performing Operations or Maintenance of Communications or Electronics Systems) received the highest TD ratings

- Unlike the listing of tasks with highest TE ratings, however, most tasks with highest TD ratings have low percent members performing

  - This pattern is typical across many career fields because relatively few members perform most difficult tasks

WHAT DOES TRAINING DOCUMENT REFLECT?

Specialty Training Standard (STS) Analysis

Technical school personnel from the 332nd Training Squadron (332 TRS), Keesler AFB MS, matched JI tasks to STS 1A5X1 items. Per AETCI 36-2601, dated 14 July 1999, STS elements that are performed by at least 20% of members in appropriate skill-level groups [particularly first-job (1-24 months' TAFMS) members and first-enlistment (1-48 months' TAFMS) members] should be included in the STS. Of course, these are not the only criteria for inclusion in the STS, and other rational considerations may argue against inclusion. The STS was analyzed to determine whether the survey data supported the existing STS elements and/or proficiency codes.

Table 26 – Examples of tasks not referenced to AFSC 1A5X1 STS with 20% or more DAFSC 1A5X1 first-job and/or first-enlistment members performing with highest ATI ratings are listed

- Complete listing of tasks not referenced to AFSC 1A5X1 STS located at end of 1A5X1 STS report in Training Extract; tasks should be reviewed for possible inclusion in STS

Overall, the 1A5X1 STS is well supported by the survey data.

JOB SATISFACTION ANALYSIS

An examination of job satisfaction indicators can give career ladder managers a better understanding of factors that may affect the job performance of career ladder airmen. The survey included attitude questions covering job interest, perceived utilization of talents and training, sense of accomplishment from work, and reenlistment intentions.

Job Satisfaction

Overall = Good

Table 27 – Job satisfaction ratings for current 1A5X1 members and previous 1A5X1 study

- Overall, job satisfaction ratings have remained stable for all three TAFMS groups over past 3 years; most significant increase for first-enlistment members was with their sense of accomplishment

- Reenlistment intentions have increased significantly for second-enlistment members and career airmen but decreased for first-enlistment members

Table 28 – Comparative job satisfaction data between the current 1A5X1 OSR data and members from similar AFSCs surveyed in the previous 12 months, including 1C3X1, Command Post, and 1C4X1, Tactical Air Command and Control. The results from the comparison data are summarized below:

- Job satisfaction ratings for all three TAFMS groups are higher versus the comparative sample, particularly for perceived use of talents, perceived use of talents, and sense of accomplishment among first-term 1A5X1 airmen

- However, reenlistment intentions for first-enlistment and second-enlistment members are lower versus their 1C3X1 and 1C4X1 peers

Table 29 – Job satisfaction data for DAFSC 1A5X1 members based on aircraft platform to which assigned and primary mission

- Job interest - highest among members assigned to E-8, members performing NATO AWACS mission, and members in technical training environment

- Perceived use of talents - highest among E-8 members, members performing JSTARS mission, and technical training personnel

- Perceived use of training - highest among members assigned to E-8 performing JSTARS mission

- Sense of accomplishment - highest among E-3 members performing AWACS (not NATO) mission and members in technical training

- Reenlistment intentions - significantly higher among E-8 members versus E-3 members; much higher reenlistment intentions for members performing JSTARS and NATO AWACS missions compared to members performing AWACS (not NATO) mission

RETENTION DIMENSIONS

JIs also routinely collect information about factors that affect reenlistment and separation decisions. That is, respondents who say that they are likely to reenlist at the end of their present term (and those not eligible for retirement) are asked to indicate whether each of 31 different factors will have any effect on their intended decision and, if so, the degree to which each factor may influence their decision to reenlist. Respondents who indicate that they are likely to separate at the end of their present term (and those not eligible for retirement) are asked to indicate whether each of 31 different factors will have any effect on their intended decision and, if so, the degree to which each factor may influence their decision to separate. The degree is indicated on a 3-point scale ranging from "slight influence" to "strong influence".

Reenlistment

Table 30 – Lists the 31 factors in the order they appeared in the survey. The percent selecting each factor and the average rating for each factor by 1A5X1 TAFMS groups based on how much each factor may influence their decision to reenlist are also shown.

- Top 5 reasons members may choose to reenlist based on the highest percentages selecting each factor are listed below Table 30

    - Pay and allowances, bonus or special pay, and job security appeared for each of the three TAFMS groups as top reasons for reenlisting

    - Military-related education and training opportunities also influence first- and second-term airmen; military lifestyle influences second-enlistment members and career airmen to reenlist

Separation

Table 31 – Displays the percentage of the members for each 1A5X1 TAFMS group indicating that their plans to separate may be influenced by each factor as well as the average ratings by TAFMS group for the 31 factors based on the influence each factor may have on the respondents' decisions to separate

- Top 5 reasons members in each TAFMS group may choose to separate based on the highest percentages selecting each factor are listed below Table 31

    - Pay and allowances and civilian job opportunities are among the top five factors that may influence the respondents' decisions to separate for each TAFMS group

    - Number or duration of TDYs or deployments and military lifestyle may also be significant factors in decision to separate for first-enlistment members and career airmen

SPECIAL ANALYSES:

**AIRCRAFT PLATFORM/PRIMARY MISSION/
LEVEL OF QUALIFICATION/CONUS VERSUS OVERSEAS**

Special analyses of specific groups were requested by the Air Force Career Field Manager, the MAJCOM Functional Managers, and technical training personnel to provide data based on aircraft platform to which assigned, primary mission supported, level of qualification held, CONUS versus overseas location of assignment, and MAJCOM to which assigned. This data may assist in personnel utilization, classification, and curriculum development decisions. The tables for the special analyses provide a summary of the requested data and are not intended to represent the entire picture for each comparison. Much more detailed reports are provided in the Analysis Extract and the Training Extract available on the CD-ROM.

Aircraft Platform

Table 32 – Time spent on duties by DAFSC 1A5X1 members based on aircraft platform to which assigned

- Members assigned to E-3 spending 8% more time Performing Mission Planning, Premission, or Preflight Activities (Duty A) than members assigned to E-8

- E-8 members spending 11% more time Performing Operations or Maintenance of Communications or Electronics Systems (Duty B)

- Almost equal amount of time being spent by E-3 and E-8 members performing activities in all other areas of survey

Table 33 – Representative tasks performed by E-3 personnel

Table 34 – Representative tasks performed by E-8 personnel

Primary Mission

Table 35 – Time spent on duties by DAFSC 1A5X1 members based on primary mission supported

- Members performing AWACS (not NATO) mission spending more time Performing Mission Planning, Premission, or Preflight Activities (Duty A)

- JSTARS members spending more time Performing Operations or Maintenance of Communications or Electronics Systems (Duty B)

- Fairly consistent amount of time being spent Performing General Airborne Communications or Mission Systems Activities (Duty C) by AWACS (not NATO), JSTARS, NATO AWACS, and Staff members

- NATO AWACS members spending more time Performing Management and Supervisory Activities (Duty E), Performing Training Activities (Duty F), Performing General Administrative and Technical Order (TO) System Activities (Duty G), and Performing General Supply and Equipment Activities (Duty H) than members performing AWACS (not NATO) or JSTARS missions

Tables 36 – 40 – Tasks being performed by highest percentages of DAFSC 1A5X1 members based on primary mission supported; average number of tasks performed for each mission is also shown

Table 36 – Representative tasks performed by AWACS, OTHER THAN NATO, personnel

Table 37 – Representative tasks performed by JSTARS personnel

- Perform an average of 50 more tasks than AWACS, other than NATO, personnel

Table 38 – Representative tasks performed by NATO AWACS personnel

- Perform an average of 37 more tasks than AWACS, other than NATO, personnel

Table 39 – Representative tasks performed by STAFF personnel

- Perform highest number of tasks, on average, versus all other members in final sample due to combination of technical, management, supervisory, and administrative activities performed by Staff personnel

Table 40 – Representative tasks performed by TECHNICAL TRAINING personnel

Level of Qualification

Table 41 – Time spent on duties by DAFSC 1A5X1 members based on level of qualification

- Aircrew members spending more time Performing Mission Planning, Premission, or Preflight Activities (Duty A) and Performing Operations or Maintenance of Communications or Electronics Systems (Duty B) than Aircrew Examiners, Aircrew Instructors, and Non-Aircrew members

Table 42 – Representative tasks performed by Aircrew Examiner personnel

Table 43 – Representative tasks performed by Aircrew Instructor personnel

CONUS versus Overseas

- Overseas members spending slightly more time Performing Mission Planning, Premission, or Preflight Activities (Duty A) and Performing General Airborne Communications or Mission Systems Activities (Duty C)

- Most time being spent Performing Operations or Maintenance of Communications or Electronics Systems (Duty B) by CONUS members

TABLE 4

TIME SPENT ON DUTIES BY MEMBERS OF DAFSC 1A5X1 SKILL-LEVEL GROUPS
(PERCENT RESPONDING)

DUTIES	1A531 (N=31)	1A551 (N=94)	1A571 (N=59)	1A591 (N=3)	1A500 (N=3)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	27	23	17	14	13
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	42	38	34	43	24
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	16	14	15	12	14
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	7	5	6	6	7
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	3	8	12	16	29
F PERFORMING TRAINING ACTIVITIES	1	7	9	5	6
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	3	4	6	4	6
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	1	1	0	1

* Indicates less than 1%

TABLE 5

REPRESENTATIVE TASKS PERFORMED BY DAFSC 1A531 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=31)
A0031	Perform initialization of mission systems	94
A0028	Perform preflight inspections, other than life support inspections	94
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	90
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	87
A0011	Determine aircraft status	87
A0039	Secure personal equipment on aircraft during preflight	87
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	84
A0025	Participate in general or specialized mission briefings	84
A0038	Secure mission equipment on aircraft during preflight	84
C0325	Perform in-flight checklist procedures	77
B0247	Operate hard drive systems, including records management applications (RMAs)	77
A0037	Review or update isolated personnel report (ISOPREP) cards	77
A0036	Review emergency procedures	74
A0003	Assemble professional or personal flight gear	74
D0358	Perform aircraft cocking or uncocking procedures	71
B0215	Troubleshoot IFF systems	68
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	65
C0321	Perform emergency destruct procedures	65
B0145	Operate recording systems	61
A0026	Participate in premission briefings, other than conducting	61
B0248	Troubleshoot hard drive systems, including RMAs	61
C0320	Perform crew coordination activities	61
C0337	Practice or perform emergency procedures	61
C0313	Operate emergency equipment	61
B0146	Troubleshoot recording systems	58
A0035	Review aircrew currency requirements	58
A0017	Identify mission software requirements	58
B0217	Operate test equipment	58
C0309	Maintain logs, such as in-flight or maintenance	58
C0328	Perform operational checkouts of aircraft mission systems after maintenance	58
C0317	Participate in postmission debriefings	58
A0004	Conduct premission briefings, including certifications	55
B0218	Troubleshoot test equipment	55
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	55
B0143	Troubleshoot computer systems	52
B0282	Operate software	52
E0430	Maintain aircrew currency requirements	52
B0251	Troubleshoot radar systems	52
B0239	Troubleshoot sensor systems	52
B0241	Operate data display systems	48
B0144	Repair computer systems	48

* Average Number of Tasks Performed - 72

TABLE 6

REPRESENTATIVE TASKS PERFORMED BY DAFSC 1A551 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=94)
A0011	Determine aircraft status	89
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	88
A0028	Perform preflight inspections, other than life support inspections	87
A0025	Participate in general or specialized mission briefings	86
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	85
A0031	Perform initialization of mission systems	83
A0026	Participate in premission briefings, other than conducting	80
C0325	Perform in-flight checklist procedures	80
A0039	Secure personal equipment on aircraft during preflight	80
A0036	Review emergency procedures	79
C0309	Maintain logs, such as in-flight or maintenance	78
A0038	Secure mission equipment on aircraft during preflight	77
C0313	Operate emergency equipment	77
D0358	Perform aircraft cocking or uncocking procedures	73
C0328	Perform operational checkouts of aircraft mission systems after maintenance	73
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	72
C0337	Practice or perform emergency procedures	69
A0037	Review or update isolated personnel report (ISOPREP) cards	68
E0430	Maintain aircrew currency requirements	67
A0003	Assemble professional or personal flight gear	67
B0247	Operate hard drive systems, including records management applications (RMAs)	65
A0017	Identify mission software requirements	65
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	65
C0317	Participate in postmission debriefings	65
A0001	Annotate mission planning forms	64
A0004	Conduct premission briefings, including certifications	62
B0188	Troubleshoot cooling systems	61
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	60
C0314	Operate life support systems	60
B0288	Remove or replace circuit card assemblies	60
C0293	Analyze equipment for optimum mission configurations	59
B0282	Operate software	57
C0320	Perform crew coordination activities	57
B0280	Operate oxygen systems	57
D0377	Prepare personal clothing or equipment for deployment	57
C0303	Coordinate systems status with crew members	57
B0251	Troubleshoot radar systems	55
B0248	Troubleshoot hard drive systems, including RMAs	54
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or	54

* Average Number of Tasks Performed - 96

TABLE 7

REPRESENTATIVE TASKS PERFORMED BY DAFSC 1A571 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=59)
A0028	Perform preflight inspections, other than life support inspections	98
A0026	Participate in premission briefings, other than conducting	97
A0011	Determine aircraft status	97
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	95
A0025	Participate in general or specialized mission briefings	93
A0039	Secure personal equipment on aircraft during preflight	93
A0003	Assemble professional or personal flight gear	93
C0309	Maintain logs, such as in-flight or maintenance	92
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	92
A0031	Perform initialization of mission systems	90
C0313	Operate emergency equipment	88
A0038	Secure mission equipment on aircraft during preflight	88
C0325	Perform in-flight checklist procedures	86
C0337	Practice or perform emergency procedures	86
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	86
C0328	Perform operational checkouts of aircraft mission systems after maintenance	86
B0247	Operate hard drive systems, including records management applications (RMAs)	85
A0036	Review emergency procedures	85
B0282	Operate software	83
D0358	Perform aircraft cocking or uncocking procedures	83
B0248	Troubleshoot hard drive systems, including RMAs	81
B0288	Remove or replace circuit card assemblies	80
D0377	Prepare personal clothing or equipment for deployment	80
E0430	Maintain aircrew currency requirements	78
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	78
B0143	Troubleshoot computer systems	76
A0017	Identify mission software requirements	76
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or	76
B0283	Troubleshoot software	76
C0327	Perform in-flight instructor duties	75
F0464	Counsel trainees on training progress	75
A0009	Coordinate mission software requirements with appropriate agencies	75
A0035	Review aircrew currency requirements	75
B0188	Troubleshoot cooling systems	75
B0145	Operate recording systems	73
C0320	Perform crew coordination activities	73
C0303	Coordinate systems status with crew members	73
F0463	Conduct on-the-job training (OJT)	73
C0293	Analyze equipment for optimum mission configurations	73
C0329	Perform operational checkouts of aircraft mission systems after modifications	73
D0349	Don or doff chemical warfare personal protective clothing	73

* Average Number of Tasks Performed – 140

TABLE 8

REPRESENTATIVE TASKS PERFORMED BY DAFSC 1A591 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=3)
A0031	Perform initialization of mission systems	100
A0004	Conduct premission briefings, including certifications	100
A0028	Perform preflight inspections, other than life support inspections	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
A0009	Coordinate mission software requirements with appropriate agencies	100
E0430	Maintain aircrew currency requirements	67
C0325	Perform in-flight checklist procedures	67
E0454	Write or indorse military enlisted performance reports (EPRs)	67
E0382	Adjust daily schedules to meet operational commitments	67
C0331	Perform postflight inspections	67
C0337	Practice or perform emergency procedures	67
C0327	Perform in-flight instructor duties	67
C0332	Perform supplemental inspections, such as acceptance, calendar, or time replacement item	67
B0247	Operate hard drive systems, including records management applications (RMAs)	67
A0026	Participate in premission briefings, other than conducting	67
B0184	Operate aircraft audio distribution systems (ADSs), such as public address (PA) systems or interphones	67
G0508	Prepare crew travel vouchers	67
D0377	Prepare personal clothing or equipment for deployment	67
B0249	Repair hard drive systems, including RMAs	67
A0029	Perform preflight life support inspections	67
B0248	Troubleshoot hard drive systems, including RMAs	67
B0261	Repair radar computer components	67
B0253	Operate radar power distribution systems	67
B0251	Troubleshoot radar systems	67
B0288	Remove or replace circuit card assemblies	67
B0257	Troubleshoot radar cooling systems	67
B0256	Operate radar cooling systems	67
B0263	Troubleshoot radar transmission systems	67
A0036	Review emergency procedures	67
B0041	Troubleshoot high-power transmitters	67
B0042	Repair high-power transmitters	67
B0255	Repair radar power distribution systems	67
B0264	Repair radar transmission systems	67
B0289	Remove or replace inverters	67
B0290	Remove or replace SF-6 bottles	67
B0252	Repair radar systems	67
B0170	Troubleshoot RF distribution systems	67
B0040	Operate high-power transmitters	67
B0258	Repair radar cooling systems	67
B0262	Operate radar transmission systems	67
B0194	Troubleshoot lighting systems	67
B0254	Troubleshoot radar power distribution systems	67
B0188	Troubleshoot cooling systems	67

* Average Number of Tasks Performed - 91

TABLE 9

REPRESENTATIVE TASKS PERFORMED BY DAFSC 1A500 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=3)
E0388	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	100
E0428	Interpret policies, directives, or procedures for subordinates	100
E0395	Counsel subordinates concerning personal matters	100
E0426	Inspect personnel for compliance with military standards	100
E0392	Conduct supervisory orientations for newly assigned personnel	100
E0417	Evaluate personnel for compliance with performance standards	100
E0430	Maintain aircrew currency requirements	100
E0418	Evaluate personnel for promotion, demotion, reclassification, or special awards	100
E0382	Adjust daily schedules to meet operational commitments	100
E0445	Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals	100
E0387	Complete records of evaluations	100
E0423	Initiate personnel action requests	100
E0422	Initiate actions required due to substandard performance of personnel	100
E0396	Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace, other than for mission deployments	100
G0512	Review publications, correspondence, or reports	100
E0400	Develop organizational or functional charts	100
C0317	Participate in postmission debriefings	100
A0035	Review aircrew currency requirements	100
F0463	Conduct on-the-job training (OJT)	100
C0293	Analyze equipment for optimum mission configurations	100
C0298	Coordinate corrections of aircraft discrepancies or malfunctions with crew members	100
C0309	Maintain logs, such as in-flight or maintenance	100
B0244	Operate built-in test equipment (BITE)	100
B0242	Troubleshoot data display systems	100
C0320	Perform crew coordination activities	100
F0456	Brief personnel concerning training programs or matters	100
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	100
A0025	Participate in general or specialized mission briefings	100
A0031	Perform initialization of mission systems	100
A0026	Participate in premission briefings, other than conducting	100
B0145	Operate recording systems	100
B0247	Operate hard drive systems, including records management applications (RMAs)	100
C0321	Perform emergency destruct procedures	100
C0325	Perform in-flight checklist procedures	100
G0501	Maintain personal aircrew flight manuals or checklists	100
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	100
B0248	Troubleshoot hard drive systems, including RMAs	100
C0328	Perform operational checkouts of aircraft mission systems after maintenance	100
C0331	Perform postflight inspections	100
B0241	Operate data display systems	100

* Average Number of Tasks Performed - 162

27

TABLE 10

TIME SPENT ON DUTIES BY AD MEMBERS OF DAFSC 1A5X1 SKILL-LEVEL GROUPS
(PERCENT RESPONDING)

DUTIES	AD 1A531 (N=31)	AD 1A551 (N=91)	AD 1A571 (N=49)	AD 1A591 (N=1)	AD 1A500 (N=3)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	27	22	15	17	13
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	42	37	33	28	24
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	16	15	15	19	14
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	7	5	5	6	7
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	3	8	14	22	29
F PERFORMING TRAINING ACTIVITIES	1	7	10	2	6
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	3	5	7	6	6
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	1	1	0	1

TABLE 11

REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A531 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=31)
A0031	Perform initialization of mission systems	94
A0028	Perform preflight inspections, other than life support inspections	94
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	90
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	87
A0011	Determine aircraft status	87
A0039	Secure personal equipment on aircraft during preflight	87
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	84
A0025	Participate in general or specialized mission briefings	84
A0038	Secure mission equipment on aircraft during preflight	84
C0325	Perform in-flight checklist procedures	77
B0247	Operate hard drive systems, including records management applications (RMAs)	77
A0037	Review or update isolated personnel report (ISOPREP) cards	77
A0036	Review emergency procedures	74
A0003	Assemble professional or personal flight gear	74
D0358	Perform aircraft cocking or uncocking procedures	71
B0215	Troubleshoot IFF systems	68
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	65
C0321	Perform emergency destruct procedures	65
B0145	Operate recording systems	61
A0026	Participate in premission briefings, other than conducting	61
B0248	Troubleshoot hard drive systems, including RMAs	61
C0320	Perform crew coordination activities	61
C0337	Practice or perform emergency procedures	61
C0313	Operate emergency equipment	61
B0146	Troubleshoot recording systems	58
A0035	Review aircrew currency requirements	58
A0017	Identify mission software requirements	58
B0217	Operate test equipment	58
C0309	Maintain logs, such as in-flight or maintenance	58
C0328	Perform operational checkouts of aircraft mission systems after maintenance	58
C0317	Participate in postmission debriefings	58
A0004	Conduct premission briefings, including certifications	55
B0218	Troubleshoot test equipment	55
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	55
B0143	Troubleshoot computer systems	52
B0282	Operate software	52
E0430	Maintain aircrew currency requirements	52
B0251	Troubleshoot radar systems	52
B0239	Troubleshoot sensor systems	52
B0241	Operate data display systems	48
B0144	Repair computer systems	48

* Average Number of Tasks Performed – 72

TABLE 12

REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A551 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=91)
A0011	Determine aircraft status	89
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	88
A0028	Perform preflight inspections, other than life support inspections	87
A0025	Participate in general or specialized mission briefings	86
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	86
A0031	Perform initialization of mission systems	82
C0325	Perform in-flight checklist procedures	80
A0039	Secure personal equipment on aircraft during preflight	80
A0026	Participate in premission briefings, other than conducting	79
C0309	Maintain logs, such as in-flight or maintenance	79
C0313	Operate emergency equipment	79
A0036	Review emergency procedures	78
A0038	Secure mission equipment on aircraft during preflight	76
D0358	Perform aircraft cocking or uncocking procedures	76
C0328	Perform operational checkouts of aircraft mission systems after maintenance	75
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	73
C0337	Practice or perform emergency procedures	69
E0430	Maintain aircrew currency requirements	68
C0317	Participate in postmission debriefings	67
A0003	Assemble professional or personal flight gear	67
A0037	Review or update isolated personnel report (ISOPREP) cards	67
B0247	Operate hard drive systems, including records management applications (RMAs)	65
A0017	Identify mission software requirements	65
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	65
A0001	Annotate mission planning forms	64
B0188	Troubleshoot cooling systems	62
C0314	Operate life support systems	62
A0004	Conduct premission briefings, including certifications	60
C0293	Analyze equipment for optimum mission configurations	60
B0288	Remove or replace circuit card assemblies	60
D0377	Prepare personal clothing or equipment for deployment	59
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	59
B0282	Operate software	58
C0320	Perform crew coordination activities	58
B0280	Operate oxygen systems	58
C0303	Coordinate systems status with crew members	57
B0251	Troubleshoot radar systems	56
B0248	Troubleshoot hard drive systems, including RMAs	55
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or	55
B0283	Troubleshoot software	53

* Average Number of Tasks Performed - 97

30

TABLE 13

REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A571 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=49)
A0028	Perform preflight inspections, other than life support inspections	98
A0026	Participate in premission briefings, other than conducting	98
A0003	Assemble professional or personal flight gear	98
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	96
A0011	Determine aircraft status	96
C0309	Maintain logs, such as in-flight or maintenance	94
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	94
A0039	Secure personal equipment on aircraft during preflight	94
A0025	Participate in general or specialized mission briefings	92
C0325	Perform in-flight checklist procedures	92
C0337	Practice or perform emergency procedures	92
C0313	Operate emergency equipment	92
A0031	Perform initialization of mission systems	90
C0328	Perform operational checkouts of aircraft mission systems after maintenance	90
B0282	Operate software	88
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	88
D0358	Perform aircraft cocking or uncocking procedures	88
A0038	Secure mission equipment on aircraft during preflight	88
B0247	Operate hard drive systems, including records management applications (RMAs)	86
A0036	Review emergency procedures	86
E0430	Maintain aircrew currency requirements	84
C0327	Perform in-flight instructor duties	84
B0248	Troubleshoot hard drive systems, including RMAs	84
D0377	Prepare personal clothing or equipment for deployment	84
F0464	Counsel trainees on training progress	82
B0283	Troubleshoot software	82
C0320	Perform crew coordination activities	80
B0143	Troubleshoot computer systems	80
F0463	Conduct on-the-job training (OJT)	80
A0017	Identify mission software requirements	80
B0188	Troubleshoot cooling systems	80
B0288	Remove or replace circuit card assemblies	80
B0145	Operate recording systems	78
G0501	Maintain personal aircrew flight manuals or checklists	78
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	78
F0458	Conduct continuation training (CT)	78
B0280	Operate oxygen systems	78
G0490	File in-flight logs in aircraft history books	78
A0009	Coordinate mission software requirements with appropriate agencies	78
C0329	Perform operational checkouts of aircraft mission systems after modifications	78
G0514	Review TOs for in-flight procedures	76
E0395	Counsel subordinates concerning personal matters	76

* Average Number of Tasks Performed – 151

TABLE 14

REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A591 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=1)
E0450	Write recommendations for awards or decorations	100
E0430	Maintain aircrew currency requirements	100
C0325	Perform in-flight checklist procedures	100
E0454	Write or indorse military enlisted performance reports (EPRs)	100
E0382	Adjust daily schedules to meet operational commitments	100
B0147	Repair recording systems	100
B0145	Operate recording systems	100
C0327	Perform in-flight instructor duties	100
C0337	Practice or perform emergency procedures	100
C0332	Perform supplemental inspections, such as acceptance, calendar, or time replacement item	100
C0331	Perform postflight inspections	100
B0146	Troubleshoot recording systems	100
B0143	Troubleshoot computer systems	100
B0142	Operate computer systems	100
G0515	Write minutes of briefings, conferences, or meetings	100
B0247	Operate hard drive systems, including records management applications (RMAs)	100
D0358	Perform aircraft cocking or uncocking procedures	100
B0184	Operate aircraft audio distribution systems (ADSs), such as public address (PA) systems or interphones	100
D0377	Prepare personal clothing or equipment for deployment	100
A0004	Conduct premission briefings, including certifications	100
B0249	Repair hard drive systems, including RMAs	100
B0248	Troubleshoot hard drive systems, including RMAs	100
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	100
A0026	Participate in premission briefings, other than conducting	100
A0031	Perform initialization of mission systems	100
A0028	Perform preflight inspections, other than life support inspections	100

* Average Number of Tasks Performed - 53

TABLE 15

REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A500 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=3)
E0388	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	100
E0428	Interpret policies, directives, or procedures for subordinates	100
E0395	Counsel subordinates concerning personal matters	100
E0426	Inspect personnel for compliance with military standards	100
E0392	Conduct supervisory orientations for newly assigned personnel	100
E0417	Evaluate personnel for compliance with performance standards	100
E0430	Maintain aircrew currency requirements	100
E0418	Evaluate personnel for promotion, demotion, reclassification, or special awards	100
E0382	Adjust daily schedules to meet operational commitments	100
E0445	Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals	100
E0387	Complete records of evaluations	100
E0423	Initiate personnel action requests	100
E0422	Initiate actions required due to substandard performance of personnel	100
E0396	Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace, other than for mission deployments	100
G0512	Review publications, correspondence, or reports	100
E0400	Develop organizational or functional charts	100
C0317	Participate in postmission debriefings	100
A0035	Review aircrew currency requirements	100
F0463	Conduct on-the-job training (OJT)	100
C0293	Analyze equipment for optimum mission configurations	100
C0298	Coordinate corrections of aircraft discrepancies or malfunctions with crew members	100
C0309	Maintain logs, such as in-flight or maintenance	100
B0244	Operate built-in test equipment (BITE)	100
B0242	Troubleshoot data display systems	100
C0320	Perform crew coordination activities	100
F0456	Brief personnel concerning training programs or matters	100
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	100
A0025	Participate in general or specialized mission briefings	100
A0031	Perform initialization of mission systems	100
A0026	Participate in premission briefings, other than conducting	100
B0145	Operate recording systems	100
B0247	Operate hard drive systems, including records management applications (RMAs)	100
C0321	Perform emergency destruct procedures	100
C0325	Perform in-flight checklist procedures	100
G0501	Maintain personal aircrew flight manuals or checklists	100
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	100
B0248	Troubleshoot hard drive systems, including RMAs	100
C0328	Perform operational checkouts of aircraft mission systems after maintenance	100
C0331	Perform postflight inspections	100
B0241	Operate data display systems	100

* Average Number of Tasks Performed - 162

33

TABLE 16

TIME SPENT ON DUTIES BY AFRC MEMBERS OF DAFSC 1A5X1 SKILL-LEVEL GROUPS
(PERCENT RESPONDING)

DUTIES	AFRC 1A551 (N=3)	AFRC 1A571 (N=10)	AFRC 1A591 (N=2)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	48	25	13
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	40	40	50
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	11	14	9
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	*	8	5
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	*	5	13
F PERFORMING TRAINING ACTIVITIES	0	4	7
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	0	3	2
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	0	*	*

* Indicates less than 1%

TABLE 17

REPRESENTATIVE TASKS PERFORMED BY AFRC DAFSC 1A551 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=3)
A0029	Perform preflight life support inspections	100
A0028	Perform preflight inspections, other than life support inspections	100
A0031	Perform initialization of mission systems	100
A0038	Secure mission equipment on aircraft during preflight	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
A0036	Review emergency procedures	100
A0025	Participate in general or specialized mission briefings	100
A0026	Participate in premission briefings, other than conducting	100
A0004	Conduct premission briefings, including certifications	100
A0011	Determine aircraft status	100
A0037	Review or update isolated personnel report (ISOPREP) cards	100
A0003	Assemble professional or personal flight gear	67
A0035	Review aircrew currency requirements	67
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	67
C0325	Perform in-flight checklist procedures	67
B0247	Operate hard drive systems, including records management applications (RMAs)	67
C0331	Perform postflight inspections	67
B0240	Repair sensor systems	67
B0238	Operate sensor systems	67
B0244	Operate built-in test equipment (BITE)	67
B0217	Operate test equipment	67
B0245	Troubleshoot BITE	67
B0239	Troubleshoot sensor systems	67
A0022	Obtain classified materials or documents	33
A0005	Coordinate air refueling requirements with flight crews	33

 * Average Number of Tasks Performed – 50

TABLE 18

REPRESENTATIVE TASKS PERFORMED BY AFRC DAFSC 1A571 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=10)
A0025	Participate in general or specialized mission briefings	100
A0028	Perform preflight inspections, other than life support inspections	100
A0011	Determine aircraft status	100
A0031	Perform initialization of mission systems	90
A0026	Participate in premission briefings, other than conducting	90
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	90
A0035	Review aircrew currency requirements	90
A0038	Secure mission equipment on aircraft during preflight	90
A0039	Secure personal equipment on aircraft during preflight	90
B0247	Operate hard drive systems, including records management applications (RMAs)	80
C0309	Maintain logs, such as in-flight or maintenance	80
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	80
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or	80
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	80
B0288	Remove or replace circuit card assemblies	80
A0036	Review emergency procedures	80
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	80
C0303	Coordinate systems status with crew members	70
B0248	Troubleshoot hard drive systems, including RMAs	70
A0004	Conduct premission briefings, including certifications	70
A0003	Assemble professional or personal flight gear	70
C0328	Perform operational checkouts of aircraft mission systems after maintenance	70
C0313	Operate emergency equipment	70
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	70
A0037	Review or update isolated personnel report (ISOPREP) cards	70
B0142	Operate computer systems	60
B0143	Troubleshoot computer systems	60
A0022	Obtain classified materials or documents	60
B0242	Troubleshoot data display systems	60
B0241	Operate data display systems	60
C0325	Perform in-flight checklist procedures	60
D0349	Don or doff chemical warfare personal protective clothing	60
B0251	Troubleshoot radar systems	60
B0282	Operate software	60
A0017	Identify mission software requirements	60
D0360	Perform alert crew changeovers	60
C0293	Analyze equipment for optimum mission configurations	60
D0377	Prepare personal clothing or equipment for deployment	60
A0009	Coordinate mission software requirements with appropriate agencies	60
D0359	Perform alert aircraft changeovers	60
C0330	Perform operational tests of program software after modifications	60

 * Average Number of Tasks Performed - 84

TABLE 19

REPRESENTATIVE TASKS PERFORMED BY AFRC DAFSC 1A591 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=2)
B0257	Troubleshoot radar cooling systems	100
B0258	Repair radar cooling systems	100
B0251	Troubleshoot radar systems	100
A0004	Conduct premission briefings, including certifications	100
B0261	Repair radar computer components	100
B0262	Operate radar transmission systems	100
B0263	Troubleshoot radar transmission systems	100
B0264	Repair radar transmission systems	100
B0041	Troubleshoot high-power transmitters	100
B0042	Repair high-power transmitters	100
A0031	Perform initialization of mission systems	100
A0028	Perform preflight inspections, other than life support inspections	100
B0253	Operate radar power distribution systems	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
B0255	Repair radar power distribution systems	100
B0288	Remove or replace circuit card assemblies	100
B0289	Remove or replace inverters	100
B0290	Remove or replace SF-6 bottles	100
A0036	Review emergency procedures	100
B0254	Troubleshoot radar power distribution systems	100
B0040	Operate high-power transmitters	100
B0170	Troubleshoot RF distribution systems	100
B0252	Repair radar systems	100
B0194	Troubleshoot lighting systems	100
B0256	Operate radar cooling systems	100
B0267	Repair radar Doppler reception systems	100
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	100
B0265	Operate radar Doppler reception systems	100
B0269	Troubleshoot radar pulse reception systems	100
B0270	Repair radar pulse reception systems	100
B0268	Operate radar pulse reception systems	100
B0266	Troubleshoot radar Doppler reception systems	100
B0280	Operate oxygen systems	100
A0003	Assemble professional or personal flight gear	100
A0011	Determine aircraft status	100
A0025	Participate in general or specialized mission briefings	50
A0026	Participate in premission briefings, other than conducting	50
B0259	Operate radar computer components	50
B0283	Troubleshoot software	50
B0199	Operate audio switching systems	50
B0187	Operate cooling systems	50
B0197	Troubleshoot AC or DC electrical systems	50
B0287	Remove or reinstall aircraft access plates, panels, or flooring	50
B0193	Operate lighting systems	50

* Average Number of Tasks Performed - 110

TABLE 20

TIME SPENT ACROSS DUTIES BY
FIRST-ENLISTMENT (1-48 MONTHS' TAFMS) PERSONNEL

DUTIES	PERCENT TIME SPENT (N=36)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	33
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	41
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	15
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	5
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	2
F PERFORMING TRAINING ACTIVITIES	*
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	2
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1

 * Indicates less than 1%

TABLE 21

REPRESENTATIVE TASKS FOR PERSONNEL WITH 1-48 MONTHS' TAFMS

TASKS		PERCENT MEMBERS PERFORMING (N=36)
A0028	Perform preflight inspections, other than life support inspections	92
A0011	Determine aircraft status	89
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	89
A0031	Perform initialization of mission systems	86
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	86
A0025	Participate in general or specialized mission briefings	81
A0039	Secure personal equipment on aircraft during preflight	81
A0038	Secure mission equipment on aircraft during preflight	78
C0325	Perform in-flight checklist procedures	72
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	69
A0036	Review emergency procedures	69
A0026	Participate in premission briefings, other than conducting	67
B0247	Operate hard drive systems, including records management applications (RMAs)	64
A0004	Conduct premission briefings, including certifications	58
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	58
C0309	Maintain logs, such as in-flight or maintenance	58
A0035	Review aircrew currency requirements	56
A0001	Annotate mission planning forms	50
A0017	Identify mission software requirements	47
B0145	Operate recording systems	47
A0022	Obtain classified materials or documents	44
B0143	Troubleshoot computer systems	42

 * Average Number of Tasks Performed – 63

39

TABLE 22

EMERGENCY EQUIPMENT CONTAINED ON AIRCRAFT SUPPORTED
BY FIRST-ENLISTMENT PERSONNEL
(PERCENT RESPONDING)

EMERGENCY EQUIPMENT	(N=36)
Escape Slides	86
Fire Extinguishers	86
Firefighter's Masks	86
Smoke Masks	86
Emergency Exits	83
Firefighter's Gloves	83
Life Rafts	83
Oxygen Regulators	83
Quick-Don Oxygen Masks	83
Alarm Bells/Signals	81
Crash Axes	81
First-Aid Kits	81
Portable Oxygen Units	81
Life Preserver Underarms (LPUs)	78
Life Raft Accessory/Survival Kits	78
Inertia Reels	72
Nomex Gloves	72
Airplane/Mission Maintenance Intercom Panels	69
Portable Oxygen Refiller Ports	69
Reflective Belts	67
Flashlights	64
Escape Ropes	61
Portable Emergency Light Assemblies	61
Anti-Exposure Suits, other than Extreme Cold Weather	58
Emergency Personal Oxygen Systems (EPOSs)	56
Emergency Radios	53
Bailout Chutes	50
Oxygen Service Units	47
Passenger Oxygen Kits	44
Personal Restraint Harnesses	44
Main Landing Gear (MLG) Emergency Extension Handcranks	42
Thermal Shields	39
Parachute Restraint Harnesses	36

TABLE 23

COMMUNICATIONS OR ELECTRONICS EQUIPMENT AND SYSTEMS USED, OPERATED, OR
MAINTAINED BY FIRST-ENLISTMENT PERSONNEL
(PERCENT RESPONDING)

COMMUNICATIONS OR ELECTRONICS EQUIPMENT AND SYSTEMS	(N=36)
Electrostatic Discharge (ESD) Kits	72
Hard Drives	61
Identification Friend or Foe (IFF) Systems	61
Keyboards	58
Cooling Systems	56
Airborne Mission Computer Systems	53
Software	50
Surveillance Radar Systems	47
Printers	47
Busses, Data	44
Busses, Electrical Power	42
Spectrum Analyzers	42
Digital Display Indicators (DDIs)	42
Display Consoles	39
Pointing Devices, such as Mice, Touch Screens, or Track Balls	39
Situation Display Consoles (SDCs)	36
Utility Programs	33
Receivers	33
Recording Systems	33
Fast Fourier Transform (FFT) Test Sets	33
Monitors	31
Multimeters	31
Antenna Systems	28
Passive Detection Systems	28
RF Distribution Systems	25
Distribution Systems, Electrical Power	25
Computer Mainframes	19
Data Transfer Devices, such as CYZ-10	17
Audio Distribution Systems (ADSs), Analog	17
Consolidated Tool Kits (CTKs)	14
Signal Generators	14
Radio Frequency (RF) Amplifiers	11
Local Area Network (LAN) Systems	11
Oscilloscopes	11
Anti-Jam Systems	11
Synthetic Aperture Radar Systems	11
Control Display Units (CDUs)	11
Encryption Devices	8
Transmission Systems	8
Data Annotation Recording/Mapping Systems	8
ADSs, Digital	8
High Band Systems	8
Intermediate Frequency (IF) Systems	8

TABLE 24

EXAMPLES OF AFSC 1A5X1 TASKS WITH HIGHEST TRAINING EMPHASIS RATINGS
(PERCENT MEMBERS PERFORMING)

TASKS		TNG EMP	1-24 MOS TAFMS	1-48 MOS TAFMS	TSK DIF
A0036	Review emergency procedures	7.21	67	69	4.05
C0337	Practice or perform emergency procedures	7.07	50	53	4.46
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	7.00	83	69	6.50
A0031	Perform initialization of mission systems	6.79	83	86	5.15
A0028	Perform preflight inspections, other than life support inspections	6.79	83	92	4.44
B0188	Troubleshoot cooling systems	6.43	33	36	5.09
C0325	Perform in-flight checklist procedures	6.36	83	72	4.32
A0011	Determine aircraft status	6.14	100	89	3.11
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	6.14	67	89	4.04
B0248	Troubleshoot hard drive systems, including RMAs	6.07	83	50	4.78
C0309	Maintain logs, such as in-flight or maintenance	6.00	83	58	4.43
D0358	Perform aircraft cocking or uncocking procedures	6.00	67	61	4.34
E0430	Maintain aircrew currency requirements	6.00	50	47	5.29
B0247	Operate hard drive systems, including records management applications (RMAs)	5.86	100	64	3.97
C0293	Analyze equipment for optimum mission configurations	5.86	50	47	5.14
A0017	Identify mission software requirements	5.79	33	47	3.91
C0313	Operate emergency equipment	5.71	67	58	4.37
B0288	Remove or replace circuit card assemblies	5.43	50	53	4.60
B0215	Troubleshoot IFF systems	5.43	83	64	5.51
B0280	Operate oxygen systems	5.43	67	44	3.28
B0251	Troubleshoot radar systems	5.36	33	50	6.38
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	5.36	17	58	3.96
B0266	Troubleshoot radar Doppler reception systems	5.29	33	42	5.73
B0250	Operate radar systems	5.29	33	39	5.24
B0269	Troubleshoot radar pulse reception systems	5.29	17	36	5.73
A0030	Perform premission requirements, such as reviewing flight crew information files (FCIFs), mission operations read files (MORFs), mission crew information files (MCIFs), general information files, or annotating flight orders	5.21	100	86	3.28
B0263	Troubleshoot radar transmission systems	5.21	33	42	5.55

TE MEAN = 1.83; S.D. = 1.83; HIGH = 3.66

TABLE 25

EXAMPLES OF AFSC 1A5X1 TASKS WITH HIGHEST TASK DIFFICULTY RATINGS
(PERCENT MEMBERS PERFORMING)

TASKS		TSK DIF	1-24 MOS TAFMS	1-48 MOS TAFMS	3- SKL LVL	5- SKL LVL	7- SKL LVL	9- SKL LVL	CEM	TNG EMP
E0419	Evaluate systems designs	7.53	0	0	0	5	12	0	33	1.29
B0108	Repair fax systems	7.51	0	0	0	1	0	0	0	0.00
B0284	Repair software	7.27	17	8	6	19	31	0	33	2.29
B0141	Repair fiber optics systems	7.16	0	0	0	3	12	0	33	1.71
B0210	Repair FMSs, such as FMS 800	7.16	0	0	0	0	2	0	33	0.43
B0252	Repair radar systems	6.88	33	33	32	45	55	0	33	4.79
A0033	Prepare combat mission folders (CMFs)	6.83	0	0	0	1	2	0	0	0.00
B0047	Troubleshoot ALE systems	6.83	0	0	0	1	0	0	0	0.00
B0057	Repair INMARSAT systems	6.83	0	0	0	1	2	0	0	0.00
B0174	Repair STUs	6.83	0	0	0	1	0	0	0	0.36
B0059	Troubleshoot SARSs	6.83	0	0	0	1	0	0	0	0.00
C0318	Perform airborne mission commander/on-scene commander (AMC/OSC) duties	6.83	0	0	0	1	2	0	0	0.00
B0101	Troubleshoot HF data systems	6.83	0	0	0	1	2	0	0	0.00
B0056	Troubleshoot INMARSAT systems	6.83	0	0	0	1	0	0	0	0.00
A0032	Prepare combat mission egress charts	6.83	0	0	0	1	4	0	0	0.00
C0312	Monitor or maintain basic aircraft systems, such as hydraulic, pneumatic, or flight control systems	6.83	17	3	3	0	2	0	0	0.36
C0324	Perform ground controller activities	6.83	0	0	0	1	0	0	0	0.00
B0044	Troubleshoot HF voice systems	6.83	0	0	0	1	2	0	0	0.00
B0092	Troubleshoot Have Quick systems	6.83	0	0	0	1	0	0	0	0.00
B0060	Repair SARSs	6.83	0	0	0	1	2	0	0	0.00
B0042	Repair high-power transmitters	6.78	0	17	16	23	37	0	0	3.50
B0150	Repair signal analysis equipment	6.77	0	0	6	7	12	0	33	0.79
E0409	Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)	6.77	0	0	3	13	43	0	67	1.93
B0240	Repair sensor systems	6.77	50	31	32	32	43	0	0	3.50
B0050	Troubleshoot UHF SATCOM voice systems	6.77	0	0	0	1	4	0	0	0.57

TD MEAN = 5.00; S.D. = 1.00; HIGH = 6.00

TABLE 26

EXAMPLES OF TASKS NOT REFERENCED TO STS
WITH 20 PERCENT OR MORE MEMBERS PERFORMING

TASKS	ATI	1ST JOB PMP	1ST ENL PMP
B0265. Operate radar Doppler reception systems	12	33	39
C0292. Alter software program parameters using patches or by manually manipulating code	11	33	22
C0328. Perform operational checkouts of aircraft mission systems after maintenance	18	33	53
C0329. Perform operational checkouts of aircraft mission systems after modifications	12	17	36
C0330. Perform operational tests of program software after modifications	11	17	28
C0339. Remove or install aircraft light lenses, light bulbs, or batteries	15	67	36

TABLE 27

COMPARISON OF JOB SATISFACTION INDICATORS FOR CURRENT 1A5X1 SURVEY
AND PREVIOUS 1A5X1 SURVEY
(PERCENT MEMBERS RESPONDING)

	1-48 MONTHS' TAFMS		49-96 MONTHS' TAFMS		97+ MONTHS' TAFMS	
	1A5X1 2002 (N=36)	1A5X1 1999 (N=65)	1A5X1 2002 (N=47)	1A5X1 1999 (N=56)	1A5X1 2002 (N=92)	1A5X1 1999 (N=86)
EXPRESSED JOB INTEREST						
INTERESTING	64	66	66	77	76	71
SO-SO	25	26	17	14	11	16
DULL	11	8	17	9	13	13
PERCEIVED USE OF TALENTS						
FAIRLY WELL TO PERFECTLY	81	NR	81	NR	79	NR
NONE TO VERY LITTLE	19	NR	19	NR	21	NR
PERCEIVED USE OF TRAINING						
FAIRLY WELL TO PERFECTLY	94	92	92	98	90	90
NONE TO VERY LITTLE	6	8	8	2	10	10
SENSE OF ACCOMPLISHMENT FROM JOB						
SATISFIED	78	71	64	77	67	72
NEUTRAL	6	8	11	14	13	9
DISSATISFIED	16	21	25	9	20	19
REENLISTMENT INTENTIONS						
YES OR PROBABLY YES	36	45	58	43	71	57
NO OR PROBABLY NO	64	55	40	57	6	13
WILL RETIRE	0	0	2	0	23	30

NR = Not Reported

TABLE 28

COMPARISON OF JOB SATISFACTION INDICATORS FOR DAFSC 1A5X1
AND COMPARATIVE SAMPLE GROUPS
(PERCENT MEMBERS RESPONDING)

	1-48 MONTHS' TAFMS		49-96 MONTHS' TAFMS		97+ MONTHS' TAFMS	
	1A5X1 (N=36)	COMP (N=280)	1A5X1 (N=47)	COMP (N=188)	1A5X1 (N=92)	COMP (N=493)
EXPRESSED JOB INTEREST						
INTERESTING	64	58	66	67	76	71
SO-SO	25	23	17	19	11	17
DULL	11	19	17	14	13	12
PERCEIVED USE OF TALENTS						
FAIRLY WELL TO PERFECTLY	81	69	81	73	79	81
NONE TO VERY LITTLE	19	31	19	37	21	19
PERCEIVED USE OF TRAINING						
FAIRLY WELL TO PERFECTLY	94	82	92	84	90	82
NONE TO VERY LITTLE	6	18	8	16	10	18
SENSE OF ACCOMPLISHMENT FROM JOB						
SATISFIED	78	50	64	59	67	63
NEUTRAL	6	20	11	13	13	13
DISSATISFIED	16	30	25	28	20	24
REENLISTMENT INTENTIONS						
YES OR PROBABLY YES	36	50	58	61	71	56
NO OR PROBABLY NO	64	50	40	36	6	8
WILL RETIRE	0	0	2	3	23	36

Comparative sample for AFSCs surveyed in last 12 months, including 1C3X1 (Command Post) and 1C4X1 (Tactical Air Command and Control)

TABLE 29

JOB SATISFACTION INDICATORS BASED ON
AIRCRAFT PLATFORM TO WHICH ASSIGNED AND PRIMARY MISSION PERFORMED
(PERCENT MEMBERS RESPONDING)

	E-3 (N=166)	E-8 (N=20)	AWACS NOT NATO (N=143)	JSTARS (N=20)	NATO AWACS (N=20)	STAFF (N=2)	TECHNICAL TRAINING (N=2)
EXPRESSED JOB INTEREST							
INTERESTING	69	75	69	75	80	50	100
SO-SO	17	10	19	10	5	0	0
DULL	14	15	12	15	15	50	0
PERCEIVED USE OF TALENTS							
EXCELLENT TO PERFECT	9	20	8	20	15	0	50
FAIRLY WELL TO VERY WELL	69	70	71	70	60	50	50
NONE TO VERY LITTLE	22	10	21	10	25	50	0
PERCEIVED USE OF TRAINING							
EXCELLENT TO PERFECT	14	30	14	30	20	0	50
FAIRLY WELL TO VERY WELL	77	65	77	65	75	50	50
NONE TO VERY LITTLE	9	5	9	5	5	50	0
SENSE OF ACCOMPLISHMENT FROM JOB							
SATISFIED	68	65	73	65	50	50	100
NEUTRAL	12	10	10	10	20	0	0
DISSATISFIED	20	25	17	25	30	50	0
REENLISTMENT INTENTIONS							
YES OR PROBABLY YES	55	85	50	85	90	50	100
NO OR PROBABLY NO	31	10	35	10	5	0	0
WILL RETIRE	14	5	15	5	5	50	0

TABLE 30

COMPARISON OF REENLISTMENT FACTORS BY TAFMS GROUPS –
PERCENT OF RESPONDENTS SELECTING EACH FACTOR AND
AVERAGE SCORE AMONG THOSE SELECTING EACH FACTOR

	1-48 MONTHS' TAFMS (N=13)		49-96 MONTHS' TAFMS (N=27)		97+ MONTHS' TAFMS (N=65)	
31 FACTORS LISTED IN ORDER OF APPEARANCE IN SURVEY Scale: 1 = Slight Influence; 2 = Moderate Influence; 3 = Strong Influence	Percent Selecting	Average	Percent Selecting	Average	Percent Selecting	Average
MILITARY LIFESTYLE	46	1.83	59	2.19	55	2.31
PAY AND ALLOWANCES	77	2.00	67	2.56	68	2.59
BONUS OR SPECIAL PAY	69	2.56	89	2.54	63	2.34
RETIREMENT BENEFITS	46	2.67	48	2.54	78	2.61
MILITARY-RELATED EDU & TRNG OPPORTUNITIES	69	2.56	59	1.88	26	2.18
OFF-DUTY EDU OR TRAINING OPPORTUNITIES	69	2.33	56	2.27	45	2.38
MEDICAL/DENTAL CARE FOR AD MEMBER	54	2.57	56	2.33	45	2.55
MEDICAL/DENTAL CARE FOR FAMILY MEMBERS	38	2.80	48	2.62	48	2.52
BASE HOUSING	15	2.00	7	2.50	12	2.50
BASE SERVICES	31	1.50	11	2.00	14	2.44
CHILDCARE NEEDS	8	2.00	4	2.00	8	2.60
SPOUSE'S CAREER	8	3.00	7	3.00	5	2.67
CIVILIAN JOB OPPORTUNITIES	8	3.00	7	2.00	15	2.40
EQUAL EMPLOYMENT OPPORTUNITIES	0	0.00	0	0.00	6	2.00
NUMBER OF PCS MOVES	0	0.00	7	2.00	15	1.70
LOCATION OF PRESENT ASSIGNMENT	23	2.67	23	2.22	32	2.48
NUMBER/DURATION OF TDYS OR DEPLOYMENTS	23	3.00	22	2.33	28	2.33
WORK SCHEDULE	31	2.00	37	1.90	28	2.17
ADDITIONAL DUTIES	8	1.00	22	1.67	18	2.08
JOB SECURITY	69	2.78	67	2.61	57	2.57
ENLISTED EVALUATION SYSTEM	8	1.00	4	3.00	8	2.00
PROMOTION OPPORTUNITIES	38	2.60	11	2.67	35	2.57
TRAINING/EXPERIENCE OF UNIT PERSONNEL	8	1.00	4	3.00	12	2.38
UNIT MANNING	0	0.00	4	1.00	5	2.33
UNIT RESOURCES	0	0.00	4	1.00	2	2.00
UNIT READINESS	0	0.00	0	0.00	2	3.00
RECOGNITION OF EFFORTS	38	2.60	11	2.33	26	2.29
ESPRIT DE CORPS/MORALE	31	2.25	15	2.50	34	2.55
LEADERSHIP OF IMMEDIATE SUPERVISOR	15	2.00	22	2.33	20	2.46
LEADERSHIP AT UNIT LEVEL	15	2.00	11	1.67	18	2.67
SENIOR AIR FORCE LEADERSHIP	15	2.00	11	2.33	17	2.36

TOP 5 REASONS FOR MEMBERS REENLISTING BY TAFMS GROUP

1-48 MONTHS' TAFMS (N=13)	49-96 MONTHS' TAFMS (N=27)	97+ MONTHS' TAFMS (N=65)
PAY AND ALLOWANCES	BONUS OR SPECIAL PAY	RETIREMENT BENEFITS
BONUS OR SPECIAL PAY	PAY AND ALLOWANCES	PAY AND ALLOWANCES
MILITARY-RELATED EDU & TNG OPPORTUNITIES	JOB SECURITY	BONUS OR SPECIAL PAY
JOB SECURITY	MILITARY-RELATED EDU & TNG OPPORTUNITIES	JOB SECURITY
OFF-DUTY EDU OR TRAINING OPPORTUNITIES	MILITARY LIFESTYLE	MILITARY LIFESTYLE

TABLE 31

COMPARISON OF SEPARATION FACTORS BY TAFMS GROUPS –
PERCENT OF RESPONDENTS SELECTING EACH FACTOR AND
AVERAGE SCORE AMONG THOSE SELECTING EACH FACTOR

31 FACTORS LISTED IN ORDER OF APPEARANCE IN SURVEY Scale: 1 = Slight Influence; 2 = Moderate Influence; 3 = Strong Influence	1-48 MONTHS' TAFMS (N=23)		49-96 MONTHS' TAFMS (N=19)		97+ MONTHS' TAFMS (N=6)	
	Percent Selecting	Average	Percent Selecting	Average	Percent Selecting	Average
MILITARY LIFESTYLE	48	2.18	37	2.29	83	2.20
PAY AND ALLOWANCES	48	2.27	63	2.58	83	2.40
BONUS OR SPECIAL PAY	9	2.00	37	2.43	33	3.00
RETIREMENT BENEFITS	9	2.00	5	2.00	50	2.33
MILITARY-RELATED EDU & TRNG OPPORTUNITIES	9	2.00	11	2.50	17	2.00
OFF-DUTY EDU OR TRAINING OPPORTUNITIES	26	2.50	16	3.00	33	2.00
MEDICAL/DENTAL CARE FOR AD MEMBER	0	0.00	21	2.50	17	1.00
MEDICAL/DENTAL CARE FOR FAMILY MEMBERS	4	3.00	11	2.50	33	2.50
BASE HOUSING	9	2.00	11	1.00	0	0.00
BASE SERVICES	4	2.00	11	1.00	17	3.00
CHILDCARE NEEDS	4	1.00	11	1.50	17	2.00
SPOUSE'S CAREER	13	1.67	16	2.33	50	2.33
CIVILIAN JOB OPPORTUNITIES	35	2.75	53	2.60	50	2.67
EQUAL EMPLOYMENT OPPORTUNITIES	0	0.00	5	1.00	17	3.00
NUMBER OF PCS MOVES	0	0.00	11	1.50	33	1.50
LOCATION OF PRESENT ASSIGNMENT	22	2.60	32	2.67	17	3.00
NUMBER/DURATION OF TDYS OR DEPLOYMENTS	48	2.73	37	2.43	50	2.67
WORK SCHEDULE	30	1.86	21	2.25	17	2.00
ADDITIONAL DUTIES	22	2.20	42	2.38	17	2.00
JOB SECURITY	0	0.00	5	1.00	0	0.00
ENLISTED EVALUATION SYSTEM	22	1.80	37	2.43	67	2.50
PROMOTION OPPORTUNITIES	9	2.50	16	2.67	33	2.50
TRAINING/EXPERIENCE OF UNIT PERSONNEL	4	3.00	16	2.00	0	0.00
UNIT MANNING	26	1.83	32	2.17	0	0.00
UNIT RESOURCES	9	1.00	21	2.25	17	3.00
UNIT READINESS	0	0.00	5	1.00	0	0.00
RECOGNITION OF EFFORTS	30	1.71	42	2.25	50	2.33
ESPRIT DE CORPS/MORALE	22	2.40	37	2.29	50	2.33
LEADERSHIP OF IMMEDIATE SUPERVISOR	13	2.33	16	1.67	0	0.00
LEADERSHIP AT UNIT LEVEL	22	2.60	37	1.86	33	3.00
SENIOR AIR FORCE LEADERSHIP	4	3.00	26	2.40	17	3.00

TOP 5 REASONS FOR MEMBERS SEPARATING BY TAFMS GROUP

1-48 MONTHS' TAFMS (N=23)	49-96 MONTHS' TAFMS (N=19)	97+ MONTHS' TAFMS (N=6)
MILITARY LIFESTYLE	PAY AND ALLOWANCES	PAY AND ALLOWANCES
PAY AND ALLOWANCES	CIVILIAN JOB OPPORTUNITIES	MILITARY LIFESTYLE
NUMBER/DURATION OF TDYS OR DEPLOYMENTS	RECOGNITION OF EFFORTS	ENLISTED EVALUATION SYSTEM
CIVILIAN JOB OPPORTUNITIES	ADDITIONAL DUTIES	CIVILIAN JOB OPPORTUNITIES
WORK SCHEDULE	BONUS OR SPECIAL PAY	NUMBER/DURATION OF TDYS OR DEPLOYMENTS

TABLE 32

TIME SPENT ON DUTIES BASED ON AIRCRAFT PLATFORM TO WHICH ASSIGNED
(PERCENT RESPONDING)

DUTIES		E-3 (N=166)	E-8 (N=20)
A	PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	23	15
B	PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	36	47
C	PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	15	14
D	PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	6	4
E	PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	9	9
F	PERFORMING TRAINING ACTIVITIES	6	6
G	PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	4	4
H	PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	1

TABLE 33

REPRESENTATIVE TASKS PERFORMED BY E-3 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=166)
A0028	Perform preflight inspections, other than life support inspections	93
A0011	Determine aircraft status	93
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	93
A0031	Perform initialization of mission systems	87
A0025	Participate in general or specialized mission briefings	87
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	87
A0039	Secure personal equipment on aircraft during preflight	85
A0026	Participate in premission briefings, other than conducting	82
C0325	Perform in-flight checklist procedures	81
A0038	Secure mission equipment on aircraft during preflight	81
A0036	Review emergency procedures	80
A0003	Assemble professional or personal flight gear	78
C0309	Maintain logs, such as in-flight or maintenance	77
D0358	Perform aircraft cocking or uncocking procedures	77
C0313	Operate emergency equipment	77
B0247	Operate hard drive systems, including records management applications (RMAs)	75
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	75
C0337	Practice or perform emergency procedures	73
C0328	Perform operational checkouts of aircraft mission systems after maintenance	73
A0037	Review or update isolated personnel report (ISOPREP) cards	72
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	70
C0321	Perform emergency destruct procedures	70
E0430	Maintain aircrew currency requirements	68
A0017	Identify mission software requirements	66
B0288	Remove or replace circuit card assemblies	66
A0001	Annotate mission planning forms	65
D0377	Prepare personal clothing or equipment for deployment	65
A0004	Conduct premission briefings, including certifications	64
B0248	Troubleshoot hard drive systems, including RMAs	64
B0282	Operate software	62
C0317	Participate in postmission debriefings	62
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	62
C0320	Perform crew coordination activities	61
B0280	Operate oxygen systems	61
A0035	Review aircrew currency requirements	60
B0188	Troubleshoot cooling systems	60
C0293	Analyze equipment for optimum mission configurations	59
B0215	Troubleshoot IFF systems	58
B0145	Operate recording systems	57
C0303	Coordinate systems status with crew members	57

 * Average Number of Tasks Performed – 101

TABLE 34

REPRESENTATIVE TASKS PERFORMED BY E-8 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=20)
B0142	Operate computer systems	100
B0271	Operate radar man-machine interface (MMI) systems	100
B0250	Operate radar systems	100
C0325	Perform in-flight checklist procedures	100
B0283	Troubleshoot software	100
A0031	Perform initialization of mission systems	100
B0251	Troubleshoot radar systems	100
A0025	Participate in general or specialized mission briefings	100
C0309	Maintain logs, such as in-flight or maintenance	100
B0143	Troubleshoot computer systems	100
B0272	Troubleshoot radar MMI systems	100
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	100
A0039	Secure personal equipment on aircraft during preflight	100
C0328	Perform operational checkouts of aircraft mission systems after maintenance	100
B0282	Operate software	95
B0259	Operate radar computer components	95
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	95
A0026	Participate in premission briefings, other than conducting	95
A0028	Perform preflight inspections, other than life support inspections	95
B0253	Operate radar power distribution systems	95
B0262	Operate radar transmission systems	95
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	95
B0260	Troubleshoot radar computer components	95
A0038	Secure mission equipment on aircraft during preflight	95
B0254	Troubleshoot radar power distribution systems	95
A0009	Coordinate mission software requirements with appropriate agencies	95
B0277	Operate moisture control systems (MCSs)	95
B0263	Troubleshoot radar transmission systems	95
A0011	Determine aircraft status	95
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or	95
B0278	Troubleshoot MCSs	95
B0241	Operate data display systems	90
A0036	Review emergency procedures	90
C0337	Practice or perform emergency procedures	90
B0040	Operate high-power transmitters	90
B0128	Troubleshoot digital data distribution systems, such as LANs or buses	90
C0303	Coordinate systems status with crew members	90
B0242	Troubleshoot data display systems	90
A0017	Identify mission software requirements	90
C0313	Operate emergency equipment	90
B0041	Troubleshoot high-power transmitters	90
B0274	Operate environmental systems	85

* Average Number of Tasks Performed – 147

TABLE 35

TIME SPENT ON DUTIES BASED ON PRIMARY MISSION
(PERCENT RESPONDING)

DUTIES		AWACS, NOT NATO (N=143)	JSTARS (N=20)	NATO AWACS (N=20)	STAFF (N=2)	TECHNICAL TRAINING (N=2)
A	PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	23	15	16	7	0
B	PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	37	47	31	40	0
C	PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	15	14	16	13	0
D	PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	6	4	5	5	0
E	PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	8	9	12	15	22
F	PERFORMING TRAINING ACTIVITIES	6	6	9	11	68
G	PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	4	4	9	7	8
H	PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	1	2	2	2

TABLE 36

REPRESENTATIVE TASKS PERFORMED BY AWACS, OTHER THAN NATO, PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=143)
A0028	Perform preflight inspections, other than life support inspections	93
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	93
A0011	Determine aircraft status	91
A0031	Perform initialization of mission systems	87
A0025	Participate in general or specialized mission briefings	86
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	86
A0039	Secure personal equipment on aircraft during preflight	84
A0038	Secure mission equipment on aircraft during preflight	83
A0026	Participate in premission briefings, other than conducting	80
C0325	Perform in-flight checklist procedures	80
A0036	Review emergency procedures	80
A0037	Review or update isolated personnel report (ISOPREP) cards	80
B0247	Operate hard drive systems, including records management applications (RMAs)	76
C0309	Maintain logs, such as in-flight or maintenance	76
A0003	Assemble professional or personal flight gear	75
C0313	Operate emergency equipment	74
D0358	Perform aircraft cocking or uncocking procedures	73
C0337	Practice or perform emergency procedures	71
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	71
C0328	Perform operational checkouts of aircraft mission systems after maintenance	71
C0321	Perform emergency destruct procedures	70
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	69
E0430	Maintain aircrew currency requirements	66
A0004	Conduct premission briefings, including certifications	64
B0248	Troubleshoot hard drive systems, including RMAs	64
B0288	Remove or replace circuit card assemblies	64
A0017	Identify mission software requirements	63
A0035	Review aircrew currency requirements	62
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	62
D0377	Prepare personal clothing or equipment for deployment	62
B0282	Operate software	60
C0317	Participate in postmission debriefings	60
B0215	Troubleshoot IFF systems	60
A0001	Annotate mission planning forms	60
C0320	Perform crew coordination activities	59
B0280	Operate oxygen systems	59
C0293	Analyze equipment for optimum mission configurations	57
B0188	Troubleshoot cooling systems	57
B0217	Operate test equipment	56
C0303	Coordinate systems status with crew members	55

* Average Number of Tasks Performed – 97

TABLE 37

REPRESENTATIVE TASKS PERFORMED BY JSTARS PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=20)
B0142	Operate computer systems	100
B0271	Operate radar man-machine interface (MMI) systems	100
B0250	Operate radar systems	100
C0325	Perform in-flight checklist procedures	100
B0283	Troubleshoot software	100
A0031	Perform initialization of mission systems	100
B0251	Troubleshoot radar systems	100
A0025	Participate in general or specialized mission briefings	100
C0309	Maintain logs, such as in-flight or maintenance	100
B0143	Troubleshoot computer systems	100
B0272	Troubleshoot radar MMI systems	100
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	100
A0039	Secure personal equipment on aircraft during preflight	100
C0328	Perform operational checkouts of aircraft mission systems after maintenance	100
B0282	Operate software	95
B0259	Operate radar computer components	95
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	95
A0026	Participate in premission briefings, other than conducting	95
A0028	Perform preflight inspections, other than life support inspections	95
B0253	Operate radar power distribution systems	95
B0262	Operate radar transmission systems	95
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	95
B0260	Troubleshoot radar computer components	95
A0038	Secure mission equipment on aircraft during preflight	95
B0254	Troubleshoot radar power distribution systems	95
A0009	Coordinate mission software requirements with appropriate agencies	95
B0277	Operate moisture control systems (MCSs)	95
B0263	Troubleshoot radar transmission systems	95
A0011	Determine aircraft status	95
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or	95
B0278	Troubleshoot MCSs	95
B0241	Operate data display systems	90
A0036	Review emergency procedures	90
C0337	Practice or perform emergency procedures	90
B0040	Operate high-power transmitters	90
B0128	Troubleshoot digital data distribution systems, such as LANs or buses	90
C0303	Coordinate systems status with crew members	90
B0242	Troubleshoot data display systems	90
A0017	Identify mission software requirements	90
C0313	Operate emergency equipment	90
B0041	Troubleshoot high-power transmitters	90
B0274	Operate environmental systems	85

* Average Number of Tasks Performed – 147

TABLE 38

REPRESENTATIVE TASKS PERFORMED BY NATO AWACS PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=20)
A0028	Perform preflight inspections, other than life support inspections	100
A0025	Participate in general or specialized mission briefings	100
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	100
A0003	Assemble professional or personal flight gear	100
C0313	Operate emergency equipment	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
A0011	Determine aircraft status	100
D0358	Perform aircraft cocking or uncocking procedures	100
A0026	Participate in premission briefings, other than conducting	95
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	95
A0039	Secure personal equipment on aircraft during preflight	95
C0328	Perform operational checkouts of aircraft mission systems after maintenance	95
A0001	Annotate mission planning forms	95
C0309	Maintain logs, such as in-flight or maintenance	90
C0325	Perform in-flight checklist procedures	90
C0337	Practice or perform emergency procedures	90
A0031	Perform initialization of mission systems	90
G0501	Maintain personal aircrew flight manuals or checklists	90
D0377	Prepare personal clothing or equipment for deployment	90
B0142	Operate computer systems	85
B0241	Operate data display systems	85
B0145	Operate recording systems	85
E0430	Maintain aircrew currency requirements	85
B0143	Troubleshoot computer systems	85
G0490	File in-flight logs in aircraft history books	85
B0242	Troubleshoot data display systems	85
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or	85
B0282	Operate software	80
E0382	Adjust daily schedules to meet operational commitments	80
G0513	Review TO changes	80
C0317	Participate in postmission debriefings	80
C0293	Analyze equipment for optimum mission configurations	80
B0146	Troubleshoot recording systems	80
A0036	Review emergency procedures	80
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	80
A0038	Secure mission equipment on aircraft during preflight	80
C0314	Operate life support systems	80
A0017	Identify mission software requirements	80
B0247	Operate hard drive systems, including records management applications (RMAs)	75
B0280	Operate oxygen systems	75
C0303	Coordinate systems status with crew members	75

* Average Number of Tasks Performed – 134

TABLE 39

REPRESENTATIVE TASKS PERFORMED BY STAFF PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=2)
C0325	Perform in-flight checklist procedures	100
C0320	Perform crew coordination activities	100
E0395	Counsel subordinates concerning personal matters	100
C0331	Perform postflight inspections	100
E0388	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	100
F0472	Evaluate effectiveness of training programs, plans, or procedures	100
F0477	Monitor contract training compliance	100
F0480	Provide input to contracts for training programs	100
C0293	Analyze equipment for optimum mission configurations	100
C0302	Coordinate sensor settings with appropriate personnel	100
C0303	Coordinate systems status with crew members	100
E0454	Write or indorse military enlisted performance reports (EPRs)	100
C0329	Perform operational checkouts of aircraft mission systems after modifications	100
C0330	Perform operational tests of program software after modifications	100
B0282	Operate software	100
B0196	Operate alternating current (AC) or direct current (DC) electrical systems	100
E0391	Conduct staff assistance visits, inspections, or audits	100
E0397	Determine or establish work assignments or priorities	100
F0475	Inspect training materials or aids for operation or suitability	100
E0398	Determine or evaluate causes of mission operational discrepancies	100
C0317	Participate in postmission debriefings	100
C0296	Clean interior of aircraft	100
B0187	Operate cooling systems	100
B0142	Operate computer systems	100
B0241	Operate data display systems	100
C0328	Perform operational checkouts of aircraft mission systems after maintenance	100
F0473	Evaluate progress of trainees	100
F0466	Develop contract training requirements	100
E0393	Conduct supervisory performance feedback sessions	100
F0474	Evaluate training methods or techniques of instructors	100
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	100
F0476	Maintain training records or files	100
C0314	Operate life support systems	100
E0430	Maintain aircrew currency requirements	100
F0455	Administer or score tests	100
B0271	Operate radar man-machine interface (MMI) systems	100
B0259	Operate radar computer components	100
B0193	Operate lighting systems	100
B0139	Operate fiber optics systems	100
B0244	Operate built-in test equipment (BITE)	100
B0217	Operate test equipment	100
B0256	Operate radar cooling systems	100
B0283	Troubleshoot software	100
B0280	Operate oxygen systems	100

* Average Number of Tasks Performed – 295

TABLE 40

REPRESENTATIVE TASKS PERFORMED BY TECHNICAL TRAINING PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=2)
F0459	Conduct formal course classroom training	100
F0467	Develop formal course curricula, plans of instruction (POIs), or specialty training standards (STSs)	100
F0468	Develop training programs, plans, or procedures	100
F0473	Evaluate progress of trainees	100
F0465	Determine training requirements	100
F0455	Administer or score tests	100
F0474	Evaluate training methods or techniques of instructors	100
F0477	Monitor contract training compliance	100
F0475	Inspect training materials or aids for operation or suitability	100
F0469	Develop written tests	100
E0404	Develop or establish work methods or procedures	100
G0482	Annotate cabinet, safe, or room security forms	100
F0470	Develop or procure training materials or aids	100
E0392	Conduct supervisory orientations for newly assigned personnel	100
G0488	Establish or maintain TO management system accounts	100
F0457	Complete student entry or withdrawal forms	100
E0405	Develop or establish work schedules	100
E0390	Conduct self-inspections or self-assessments	100
E0389	Conduct safety inspections of equipment or facilities	50
F0466	Develop contract training requirements	50
F0472	Evaluate effectiveness of training programs, plans, or procedures	50
F0478	Personalize lesson plans	50
F0481	Write training reports	50
E0426	Inspect personnel for compliance with military standards	50
F0476	Maintain training records or files	50
F0464	Counsel trainees on training progress	50
F0471	Establish or maintain study reference files	50
F0480	Provide input to contracts for training programs	50

* Average Number of Tasks Performed – 37

TABLE 41

TIME SPENT ON DUTIES BASED ON LEVEL OF QUALIFICATION
(PERCENT RESPONDING)

DUTIES		AIRCREW EXAMINER (N=35)	AIRCREW INSTRUCTOR (N=68)	AIRCREW MEMBER (N=84)	NON-AIRCREW (N=3)
A	PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	12	21	26	5
B	PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	31	34	42	22
C	PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	16	15	15	4
D	PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	5	5	6	1
E	PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	16	10	6	15
F	PERFORMING TRAINING ACTIVITIES	11	9	1	45
G	PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	7	5	3	6
H	PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	2	1	1	2

TABLE 42

REPRESENTATIVE TASKS PERFORMED BY AIRCREW EXAMINER PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=35)
C0326	Perform in-flight evaluator duties	97
C0327	Perform in-flight instructor duties	94
A0028	Perform preflight inspections, other than life support inspections	94
A0011	Determine aircraft status	94
A0031	Perform initialization of mission systems	91
C0325	Perform in-flight checklist procedures	91
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	91
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	91
C0328	Perform operational checkouts of aircraft mission systems after maintenance	91
C0313	Operate emergency equipment	91
A0039	Secure personal equipment on aircraft during preflight	91
C0309	Maintain logs, such as in-flight or maintenance	89
A0025	Participate in general or specialized mission briefings	89
C0337	Practice or perform emergency procedures	89
F0458	Conduct continuation training (CT)	89
D0358	Perform aircraft cocking or uncocking procedures	89
A0003	Assemble professional or personal flight gear	89
B0282	Operate software	86
A0026	Participate in premission briefings, other than conducting	86
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	86
G0490	File in-flight logs in aircraft history books	86
C0329	Perform operational checkouts of aircraft mission systems after modifications	86
E0430	Maintain aircrew currency requirements	83
E0387	Complete records of evaluations	83
F0473	Evaluate progress of trainees	83
G0501	Maintain personal aircrew flight manuals or checklists	83
G0513	Review TO changes	83
D0377	Prepare personal clothing or equipment for deployment	83
A0038	Secure mission equipment on aircraft during preflight	83
A0017	Identify mission software requirements	83
B0288	Remove or replace circuit card assemblies	83
C0317	Participate in postmission debriefings	80
B0280	Operate oxygen systems	80
A0036	Review emergency procedures	80
C0330	Perform operational tests of program software after modifications	80
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or	80
F0464	Counsel trainees on training progress	77
G0514	Review TOs for in-flight procedures	77
C0303	Coordinate systems status with crew members	77
B0247	Operate hard drive systems, including records management applications (RMAs)	74
F0474	Evaluate training methods or techniques of instructors	74
E0395	Counsel subordinates concerning personal matters	74

* Average Number of Tasks Performed – 157

TABLE 43

REPRESENTATIVE TASKS PERFORMED BY AIRCREW INSTRUCTOR PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=68)
A0011	Determine aircraft status	99
A0028	Perform preflight inspections, other than life support inspections	93
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	93
A0025	Participate in general or specialized mission briefings	87
A0026	Participate in premission briefings, other than conducting	87
A0036	Review emergency procedures	87
A0038	Secure mission equipment on aircraft during preflight	87
A0039	Secure personal equipment on aircraft during preflight	87
A0031	Perform initialization of mission systems	85
C0327	Perform in-flight instructor duties	85
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	85
C0309	Maintain logs, such as in-flight or maintenance	84
C0325	Perform in-flight checklist procedures	84
C0313	Operate emergency equipment	84
A0003	Assemble professional or personal flight gear	82
C0328	Perform operational checkouts of aircraft mission systems after maintenance	81
C0337	Practice or perform emergency procedures	79
E0430	Maintain aircrew currency requirements	78
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	78
D0358	Perform aircraft cocking or uncocking procedures	76
A0017	Identify mission software requirements	75
B0247	Operate hard drive systems, including records management applications (RMAs)	75
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	75
D0377	Prepare personal clothing or equipment for deployment	74
A0004	Conduct premission briefings, including certifications	72
F0464	Counsel trainees on training progress	72
A0037	Review or update isolated personnel report (ISOPREP) cards	72
B0188	Troubleshoot cooling systems	72
C0320	Perform crew coordination activities	71
F0458	Conduct continuation training (CT)	69
F0465	Determine training requirements	69
A0035	Review aircrew currency requirements	68
A0001	Annotate mission planning forms	68
B0288	Remove or replace circuit card assemblies	66
C0317	Participate in postmission debriefings	65
C0293	Analyze equipment for optimum mission configurations	65
B0282	Operate software	63
F0478	Personalize lesson plans	63
C0314	Operate life support systems	63
B0248	Troubleshoot hard drive systems, including RMAs	63
B0283	Troubleshoot software	63
B0280	Operate oxygen systems	62

* Average Number of Tasks Performed – 116

TABLE 44

REPRESENTATIVE TASKS PERFORMED BY AIRCREW MEMBER PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=84)
A0028	Perform preflight inspections, other than life support inspections	93
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	92
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	92
A0031	Perform initialization of mission systems	89
A0025	Participate in general or specialized mission briefings	89
A0011	Determine aircraft status	87
A0039	Secure personal equipment on aircraft during preflight	83
A0026	Participate in premission briefings, other than conducting	79
A0038	Secure mission equipment on aircraft during preflight	79
C0325	Perform in-flight checklist procedures	77
A0036	Review emergency procedures	76
B0247	Operate hard drive systems, including records management applications (RMAs)	74
A0037	Review or update isolated personnel report (ISOPREP) cards	73
C0309	Maintain logs, such as in-flight or maintenance	71
D0358	Perform aircraft cocking or uncocking procedures	71
A0003	Assemble professional or personal flight gear	70
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	69
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	69
C0313	Operate emergency equipment	68
C0337	Practice or perform emergency procedures	64
C0328	Perform operational checkouts of aircraft mission systems after maintenance	64
B0248	Troubleshoot hard drive systems, including RMAs	63
A0001	Annotate mission planning forms	62
B0288	Remove or replace circuit card assemblies	61
B0215	Troubleshoot IFF systems	60
B0282	Operate software	58
A0004	Conduct premission briefings, including certifications	58
B0145	Operate recording systems	57
A0017	Identify mission software requirements	57
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	57
B0251	Troubleshoot radar systems	56
E0430	Maintain aircrew currency requirements	56
C0317	Participate in postmission debriefings	56
A0035	Review aircrew currency requirements	55
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or	55
C0320	Perform crew coordination activities	55
B0280	Operate oxygen systems	55
B0217	Operate test equipment	54
C0303	Coordinate systems status with crew members	54
C0293	Analyze equipment for optimum mission configurations	54

* Average Number of Tasks Performed – 79

TABLE 45

REPRESENTATIVE TASKS PERFORMED BY NON-AIRCREW PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=3)
F0459	Conduct formal course classroom training	67
F0467	Develop formal course curricula, plans of instruction (POIs), or specialty training standards (STSs)	67
F0468	Develop training programs, plans, or procedures	67
F0473	Evaluate progress of trainees	67
F0465	Determine training requirements	67
F0455	Administer or score tests	67
F0474	Evaluate training methods or techniques of instructors	67
F0477	Monitor contract training compliance	67
F0475	Inspect training materials or aids for operation or suitability	67
F0469	Develop written tests	67
E0404	Develop or establish work methods or procedures	67
G0482	Annotate cabinet, safe, or room security forms	67
F0470	Develop or procure training materials or aids	67
E0392	Conduct supervisory orientations for newly assigned personnel	67
G0488	Establish or maintain TO management system accounts	67
F0457	Complete student entry or withdrawal forms	67
E0405	Develop or establish work schedules	67
E0390	Conduct self-inspections or self-assessments	67
E0389	Conduct safety inspections of equipment or facilities	33
F0466	Develop contract training requirements	33
F0472	Evaluate effectiveness of training programs, plans, or procedures	33
F0478	Personalize lesson plans	33
F0481	Write training reports	33
E0426	Inspect personnel for compliance with military standards	33
F0476	Maintain training records or files	33
F0464	Counsel trainees on training progress	33
F0471	Establish or maintain study reference files	33
F0480	Provide input to contracts for training programs	33

* Average Number of Tasks Performed – 69

TABLE 46

TIME SPENT ON DUTIES BY AD 1A551 CONUS AND OVERSEAS MEMBERS
(PERCENT RESPONDING)

DUTIES		1A551 CONUS (N=66)	1A551 OVERSEAS (N=25)
A	PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	22	23
B	PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	38	33
C	PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	15	16
D	PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	5	6
E	PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	7	10
F	PERFORMING TRAINING ACTIVITIES	8	5
G	PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	4	5
H	PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	2

TABLE 47

REPRESENTATIVE TASKS PERFORMED BY AD AFSC 1A551 CONUS PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=66)
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	88
A0011	Determine aircraft status	88
A0028	Perform preflight inspections, other than life support inspections	85
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	85
A0025	Participate in general or specialized mission briefings	83
A0031	Perform initialization of mission systems	82
A0036	Review emergency procedures	80
A0026	Participate in premission briefings, other than conducting	79
A0039	Secure personal equipment on aircraft during preflight	79
C0325	Perform in-flight checklist procedures	77
C0309	Maintain logs, such as in-flight or maintenance	77
C0313	Operate emergency equipment	77
A0038	Secure mission equipment on aircraft during preflight	76
A0037	Review or update isolated personnel report (ISOPREP) cards	73
D0358	Perform aircraft cocking or uncocking procedures	71
C0328	Perform operational checkouts of aircraft mission systems after maintenance	71
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	70
A0017	Identify mission software requirements	67
C0337	Practice or perform emergency procedures	65
B0247	Operate hard drive systems, including records management applications (RMAs)	64
E0430	Maintain aircrew currency requirements	64
A0003	Assemble professional or personal flight gear	64
C0317	Participate in postmission debriefings	62
B0188	Troubleshoot cooling systems	61
A0004	Conduct premission briefings, including certifications	59
B0282	Operate software	59
B0251	Troubleshoot radar systems	59
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	59
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	56
C0320	Perform crew coordination activities	55
A0001	Annotate mission planning forms	55
C0293	Analyze equipment for optimum mission configurations	55
C0314	Operate life support systems	55
B0250	Operate radar systems	53
B0248	Troubleshoot hard drive systems, including RMAs	53
B0253	Operate radar power distribution systems	53
B0262	Operate radar transmission systems	53
B0280	Operate oxygen systems	53
B0263	Troubleshoot radar transmission systems	53
B0256	Operate radar cooling systems	52
B0283	Troubleshoot software	52

* Average Number of Tasks Performed - 88

TABLE 48

REPRESENTATIVE TASKS PERFORMED BY AD AFSC 1A551 OVERSEAS PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=25)
A0028	Perform preflight inspections, other than life support inspections	92
A0011	Determine aircraft status	92
A0025	Participate in general or specialized mission briefings	92
A0001	Annotate mission planning forms	88
C0325	Perform in-flight checklist procedures	88
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	88
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	88
D0358	Perform aircraft cocking or uncocking procedures	88
A0031	Perform initialization of mission systems	84
C0309	Maintain logs, such as in-flight or maintenance	84
A0039	Secure personal equipment on aircraft during preflight	84
C0328	Perform operational checkouts of aircraft mission systems after maintenance	84
C0313	Operate emergency equipment	84
A0026	Participate in premission briefings, other than conducting	80
E0430	Maintain aircrew currency requirements	80
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	80
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	80
C0317	Participate in postmission debriefings	80
C0337	Practice or perform emergency procedures	80
G0490	File in-flight logs in aircraft history books	80
D0377	Prepare personal clothing or equipment for deployment	80
C0314	Operate life support systems	80
B0288	Remove or replace circuit card assemblies	80
C0293	Analyze equipment for optimum mission configurations	76
A0038	Secure mission equipment on aircraft during preflight	76
A0003	Assemble professional or personal flight gear	76
A0036	Review emergency procedures	72
B0280	Operate oxygen systems	72
D0357	Participate in predeployment mobility briefings	72
B0247	Operate hard drive systems, including records management applications (RMAs)	68
C0320	Perform crew coordination activities	68
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	68
G0501	Maintain personal aircrew flight manuals or checklists	68
C0303	Coordinate systems status with crew members	64
A0004	Conduct premission briefings, including certifications	64
C0302	Coordinate sensor settings with appropriate personnel	64
A0017	Identify mission software requirements	60
E0382	Adjust daily schedules to meet operational commitments	60
C0327	Perform in-flight instructor duties	60
A0035	Review aircrew currency requirements	60
B0248	Troubleshoot hard drive systems, including RMAs	60

* Average Number of Tasks Performed - 121